

AMERICAN AFRUITS

Nurseries, Arboriculture and Commercial Horticulture

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No. 6

THE INCOMPARABLE RHODODENDRON

“The Queen of Flowers is on Her Throne”



ROSE HIAWATHA

(Illustration)

THIS is preeminently the month of Roses and the attention is directed particularly to this branch of our varied and extensive line of stock. We give much space to Rose-growing. It is one of our leading specialties. The line includes in great profusion of varieties the Hardy Remontant or Perpetual Roses, Hardy Climbers, the Ramblers, Climbing Tea and Noisette Roses, China and Bourbon varieties, Polyantha Roses, Bengals, Hybrid Teas, Japanese Trailing Roses, Tree Roses and Moss Roses.

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The advertiser wants a straight publication that accepts dictation from no one. And the more clearly independent a medium is the more it appeals to the business man who uses it for his business announcements.

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Readers who appreciate this magazine may give their friends in the trade the opportunity of seeing a copy. A specimen number of "American Fruits" will be sent to any address in any part of the world on application to the publisher.

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It Means Much

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American Fruits Directory of Organizations

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Exhibits—Frank W. Power, Orenco, Ore.

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Editing Report—John Hall, Rochester, N. Y.

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American Nurserymen's Protective Association—President, J. W. Hill, Des Moines, Ia.; Secretary, Thomas B. Meehan, Dresher, Pa. Meets annually in June.

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American Association for Advancement of Science—L. O. Howard, Smithsonian Institute, Washington, D. C.

American Association of Park Superintendents—F. L. Mulford, Washington, D. C.

American Civic Association—R. B. Watrous, Washington, D. C.

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American Pomological Society—Prof. E. R. Lake, 3333 20th St., N. W., Washington, D. C.

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American Rose Society—Benjamin Hammond, Fishkill-on-Hudson, N. Y.

American Seed Trade Association—C. E. Kendall, Cleveland, O.

Canadian Horticultural Association—Julius Luck, Montreal.

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International Apple Shippers' Association—R. G. Phillips, Rochester, N. Y.

International Society of Arboriculture—J. P. Brown, Connerville, Ind.

Mississippi Valley Apple Growers' Society—James Handly, Quincy, Ill.

Missouri Valley Horticultural Society—A. V. Wilson, Muncie, Kan.

National Apple Show—Ren H. Rice, Spokane, Wash.

National Council of Horticulture—H. C. Irish, Botanical Garden, St. Louis, Mo.

National Horticultural Congress—Freeman L. Reed, Council Bluffs, Ia.

National Nut Growers' Association—J. F. Wilson, Waycross, Ga.

Ornamental Growers' Association—C. J. May, Rochester, N. Y.

Northern Nut Growers' Association—Dr. W. C. Deming, Westchester, N. Y.

Peninsula Horticultural Society—Wesley Webb, Dover, Del.

Society for Horticultural Science—C. P. Close, College Park, Md.

Society of American Florists and Ornamental Horticulturists—John Young, New York.

Western Fruit Jobbers Association—E. B. Branch, Omaha, Neb.

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JACKSON & PERKINS CO.

NEWARK, NEW YORK

June 1913

Headquarters for Nursery News

B RISTLING with exclusive features and three times as many News Items of the Nursery Trade as any other publication.

American Fruits Magazine

Ellwanger & Barry Bldg., Rochester, N. Y.

LEADING NURSERY TRADE JOURNAL

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who holds the longest record in America as Nursery Trade Journal editor, having originated Nursery Trade Journalism in this country in 1893. With correspondents in every State in the Union, in Canada and in Europe, the splendid news service of "AMERICAN FRUITS" is not only unrivaled but absolutely unequalled.

Preserve every copy. Two volumes a year. Monthly and semi-annual indexes make files invaluable for reference.

**ONE YEAR: \$1.50 CANADA AND FOREIGN: \$2.00
ADVERTISING RATE: - - \$1.10 per column inch**

"You are getting out a magnificent trade journal."—J. R. Mayhew, President Waxahachie Nursery Co., Waxahachie, Tex.

"We feel we need a commercial paper coming to our office and we know nothing better than yours."—M. J. Wragg, Manager Wragg Nursery Co., Des Moines, Ia.

"AMERICAN FRUITS" YEAR BOOK AND DIRECTORY OF NURSERYMEN

Containing besides nearly 5,000 names and addresses of Nurserymen, the Shipping Laws and Regulations of every State and of Canada. Per copy: \$1.00.

The offices of "AMERICAN FRUITS" are

Headquarters for Nursery News

AMERICAN FRUITS MAGAZINE---JUNE, 1913

EDITORIAL DEPARTMENT.—Communications on any subject connected with Nurseries, Arboriculture or Commercial Horticulture are cordially invited by the Editor; also articles on these subjects and papers prepared for conventions of Nursery or Horticultural associations. We shall be pleased to reproduce photographs relating to these topics, Nursery Scenes, Cold Storage Houses, Office Buildings, Fields of Stock, Specimen Trees and Plants, Portraits of Individuals, etc. All photographs will be returned promptly.

ADVERTISING.—First advertising forms close on the 22d of each month; last advertising forms on the 25th. If proofs are wanted, copy should be in hand on the 15th. Rates upon application.

"American Fruits" points with pride to its advertising columns. Not all those in the nursery and allied trades are therein represented, but the leading ones are; and we believe that every advertisement represents a reliable concern. We court confidential information to the contrary. "American Fruits" will not accept advertisements that do not represent reliable concerns.

SUBSCRIPTIONS.—"American Fruits" will be sent to any address in the United States for \$1.50 a year; to Canada or abroad for \$2.00 a year. Add ten cents unless bank draft, postal or express money order is used.

AMERICAN FRUITS PUBLISHING COMPANY, INC.

Ralph T. Olcott, Editor and Manager

WHAT THIS MAGAZINE STANDS FOR.—Clean chronicling of commercial news of the Nursery and Planting Trade. An honest, fearless policy in harmony with the growing ethics of modern business methods.

Co-operation rather than competition and the encouragement of all that makes for the welfare of the trade and of each of its units.

Wholesome, clean-cut, ring true independence.

INDEPENDENT AND FEARLESS.—"American Fruits" is not the official journal of any organization. It therefore makes no distinction in favor of any. It is untrammeled in its absolutely independent position and is the only publication of the kind.

Though it happens that its place of publication is in the eastern section of the country, it is thoroughly National in its character and International in its circulation.

Its news and advertising columns bristle with announcements from every corner of the Continent.

It represents as its name implies, the Fruits of American industry in one of the greatest callings—Commercial Horticulture in all its phases of Nursery Stock, Orchard and Landscape Planting and Distribution.

123-125 Ellwanger & Barry Bldg., Rochester, N. Y.

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YAKIMA VALLEY, NEAR NORTH YAKIMA, WASHINGTON



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Just say you saw it in AMERICAN FRUITS.

CHEAP APPLE SEEDLINGS

There are planters that try to grow cheap Apple Seedlings but it does not pay--the buyer has come to realize that the cheaply grown seedling is dear at any price. Cheap seedlings can be grown only by neglecting many of the essential little things that go to make up the perfect seedling.



The above cut represents one of our raking gangs. This seedling block has been smoothed off and the "rakers", following in a couple of days after the smoothing, take off any little clods that might hinder the stocks or crook the collars. This raking is not essential when cheapness of growing alone is considered, but is very essential if we would get the perfectly straight collars and the best stocks.

These men will rake over the 175 acres several times, or until the seedlings are four or five inches high and strong enough to resist the soil crowding against them from the cultivators. This extra work makes good seedlings--the kind we have built up our trade with.

F. W. WATSON & CO.
TOPEKA, KANSAS

Apple and Pear Seedling Specialists

American Fruits

Nurseries, Arboriculture and Commercial Horticulture

Entered August 4, 1904, at Rochester, N. Y., Post Office as second-class mail matter

Vol. XVII

ROCHESTER, N. Y. JUNE, 1913

No. 6

Cordial Greeting From The Pacific Coast

Extended by the Nurserymen of the Great Northwest...What Eastern Nurserymen Will See...Characteristics Differing From the Eastern Sections...Snow-clad Mountain Scenery and the Columbia River In Its Glory...Full Programme For Entertainment of the Guests...Ladies Too

C. F. LANSING, Salem, Ore.

WHEN you, our eastern friends, come to Portland in June to attend the Nurserymen's Convention, you undoubtedly will note considerable difference between our country and your home section. The first to attract your attention will probably be our scenery. The snow clad rugged peaks of Mount Hood, and Mount Jefferson of Oregon; and Mount Adams, Mount St. Helene and Mount Rainier (Mount Tacoma) of Washington can be seen from Portland keeping sentinel over the Great Northwest.

The Columbia In Its Glory

The Columbia River will then be in its glory with its ragged walls of rocks towering up two and three thousand feet from the water's edge, with here and there a silvered stream dashing down from their heights to join the Columbia on its way to the mighty Pacific. The fir trees, the fishing wheels and the Cascade Locks, on which the Government spent several millions of dollars, all will be of interest, and can be seen on the free excursion to be given one day of the convention.

The heavy timbered section can be reached

Seattle

The largest city of Washington and the county seat of King county, Seattle is situated on the eastern shore of Puget sound, 864 miles by water north of San Francisco, and 185 miles by rail north of Portland. It is a terminal point of the Canadian Pacific, the Northern Pacific and the Great Northern railroads. Besides several coastwise steamship lines to San Francisco and the principal ports of Alaska, there are regular lines to Japan, China, Siberia, the Philippines and Honolulu. Communication is also maintained, but more irregularly with ports of South America, Europe, Africa and Australia.

Seattle is magnificently situated between the Cascade and Coast ranges, with Puget sound in front and Lake Washington at its rear. Green and Union lakes are within the municipal limits and the Duwamish river flows through the city. The business quarter occupies the lower level, near the river and the sea. Commercially and industrially Seattle is one of the foremost cities of the Pacific coast. It has valuable fisheries and a tributary region rich in timber and in mineral and agricultural resources. It is a popular sailing point for the Alaskan gold fields. The city was settled in 1852 and was named after a noted Indian chief.

The Nurserymen of the Eastern delegation

ed by only a few hours ride from Portland, and no doubt will interest most of you.

We Oregonians are proud of Portland, The Rose City, and we are sure you will fall in love with her too. June is her crowning month, and she will be decked in all her splendor during the Rose Carnival, which will be in progress about the time of the convention.

Prune and Apple Orchards

Another thing to attract your attention will be the large apple orchards at Hood River, for which Oregon is famous. The strawberries from that section will then be in their prime, and no doubt, you will have an opportunity to sample them.

The prune orchards of the Willamette Valley will be something new, and if you have time, it will pay you to run up to Salem, and take a trip south of the city and see the great prune section. There will also be cherries, such as most of you have never eaten; the pears from Southern Oregon, and berries of all kinds.

But I wish to speak more particularly of the Loganberry. This berry originated in California, but is grown extensively only in

will spend most of June 17th in Seattle, arriving there from Toppenish at 8 a. m. and leaving so as to reach Portland late in the evening of that day.

Toppenish, Washington

The nurserymen from the East will reach Toppenish, Wash., early on the morning of June 16th, having left St. Paul on the westward trip on the evening of the 13th, over the Northern Pacific railroad. At Toppenish the Washington Nursery Company, whose extensive nurseries were described and illustrated by F. M. Wiggins, the vice-president and sales manager, at pages 92 and 93 of the April issue of *American Fruits*, will take the visitors in hand and in automobiles, showing them over the nursery plant and the city, then over a portion of the reservation, via Wapato, viewing other nurseries and the agricultural lands under the Sunnyside canal and making a trip to Sunnyside to see the nurseries there.

Columbia River Trip

Special entertainment will be provided at the Convention for the ladies.

On Saturday, June 21, a particularly enjoyable trip on the Columbia river will be taken on the steamer Bailey Gatzert. Chairman Pilkington, of the committee on arrangements, says: "One has to be present

the Willamette Valley. During the last two years hundreds of acres have been planted. The berry seems especially adapted to this climate, as it apparently is unable to stand the cold of the eastern winters, and therefore, promises to be almost exclusively a Pacific Coast bearing berry. The Logan is a purplish-red berry when ripe, but shaped like a blackberry. Its flavor is similar to the red raspberry, excepting it is much more tart.

Loganberry in Great Demand

About three years ago, someone experimented with drying this berry and it proved to be a great success. Since that time, it has been in great demand.

The Logan juice is also being used as the grape juice, and it makes a delightful drink.

Logans are at their best in July, but I hope a few will be ripe when you are here, so that you may sample them.

We western nurserymen are looking forward to your coming with much pleasure, and we will put forth our best efforts to show you a good time. If you have not yet decided to make the trip, you had best write the secretary at once.

to know what this trip means. It is the Omega of entertainment that is offered and taken by most of the visitors to Portland. We have arranged to have this boat the private property of the nurserymen on that day, and the trip, music, dinner, etc., which will be liberal and generous, are at the call of our visitors."

And Pilkington knows how.

100,000 Trees are Planted

Escondido, Cal.—What will be the biggest deciduous nursery in San Diego County is now being planted by W. E. Alexander on his place, the "The Hog Back," about two miles east of town. The planting this spring consisted of 100,000 trees, all apple and peach grafts. It will be the only purely deciduous nursery of any great size in this county.

The first shipment consisted of 50,000 young trees. They are all of the kind known as "whole root grafts." They came from Kansas by express. The second shipment was of 50,000 trees.

The inspection of the nursery stock was made by S. E. Merrill, local representative of the County Horticultural Commissioner.

Just say you saw it in AMERICAN FRUITS.

The American Association of Nurserymen

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VICE-PRESIDENT

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SECRETARY

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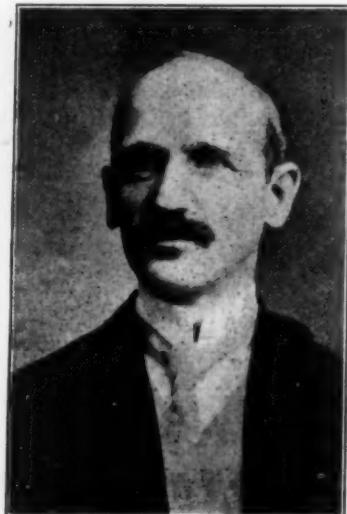
TRANSPORTATION

Charles Sizemore, Louisiana, Mo.

AS ANNOUNCED at page 76 of the March issue of *American Fruits*, the spirit of fraternalism is demonstrated in the fact that officials of both the American Association and the Pacific Coast Association of Nurserymen, at a conference in Portland, decided to make Tuesday, June 17, "business day" for the Pacific Coast Association; that the two following days shall have joint sessions, and Friday shall be "business day" of the American Association.

Through Secretary Hall, Chairman Miller of the committee on programme makes the following announcement of outline for the guidance of the Convention:

Wednesday, June 18th, 9 A. M.
Address of Welcome—Governor West.
Address of Welcome—Mayor Rushlight.
Response—For American Association—
For Pacific Coast Association—
P. A. Dix.
President's Address—For American Association—Thomas Meehan.
President's Address—For Pacific Coast Association—Albert Brownell.
"What Shall the Future of Horticulture Be?"
E. W. Kirkpatrick, Kinney, Texas.
Discussion—Geo. C. Roeding, Fresno; H. W. Kruckeberg, Los Angeles, Cal.
(Subject to be Selected).



THOMAS B. MEEHAN, Dresher, Pa.
President American Assn. Nur.

Programme for Annual Convention at Hotel Multnomah, Portland, Ore. June 18-20, 1913.

In Joint Session With Pacific Coast Association



C. J. MALOY
Treas. American Association Chairman Committee Eastern
Nurserymen



WILLIAM PITKIN
Rochester, N. Y.
Chairman Committee Eastern
Legislation

William P. Stark, Neosho, Mo.
(Subject to be Selected).

J. H. Dayton, Painesville, Ohio.

Discussion—J. B. Morey, Dansville, N. Y.

F. W. Watson, Topeka, Kas.

Question Box—Conducted by Secretary
John Hall.

Wednesday, 1:30 P. M.

Music.

"The Traffic Manager"

E. S. Welch, Shenandoah, Iowa.

Discussion—Henry B. Chase, Chase, Ala.;
J. B. Pilkington, Portland, Ore.

"Park Making on the Pacific Coast."

E. F. Mische, Supt. of Parks, Portland, Ore.
Discussion—J. Horace McFarland, Harrisburg, Penna.; Harlon P. Kelsey, Salem, Mass.; D. A. MacRorie, San Francisco, Cal.

"Care of Small Fruit Plants—Duty of Nurseryman and Planter."

L. J. Farmer, Pulaski, N. Y.

Recess—4:30 P. M.

Wednesday Evening.

Local Entertainment.

Features to be announced later.

Thursday, 9:00 A. M.

Music.

"Working and Results of the New Federal Horticultural Law."

J. McHutchison, New York City.

Discussion—D. S. Lake, Shenandoah, Iowa;
John S. Armstrong, Ontario, Cal.

"Horticultural Laws."

Geo. C. Roeding, Fresno, Calif.

Discussion—W. C. Reed, Vincennes, Ind.;
Peter Youngers, Geneva, Neb.; M. L. Dean, State Horticulturist, Missoula, Mont.

"Oregon's New Quarantine Law."

Discussion—W. K. Newell, Gaston; F. A. Wiggins, Toppenish, Wash.; John Vallance, Oakland, Calif.

Question Box.

AMERICAN ASSOCIATION BUSINESS SESSION.

Friday, 9 A. M.

Report of Secretary—John Hall.

Report of Treasurer—Charles J. Maloy, Rochester, N. Y.

Committees.

Executive—Henry B. Chase.

Co-Operative with Entomologists—L. A. Berckmans, Augusta, Ga.

Legislation—East of Mississippi River, William Pitkin.

COMMITTEES

LEGISLATION—EASTERN

William Pitkin, Rochester, N. Y.

LEGISLATION—WESTERN

Peter Youngers, Geneva, Neb.

ENTOMOLOGISTS

L. A. Berckmans, Augusta, Ga.

TRADE OPPORTUNITIES

W. P. Stark, Neosho, Mo.

James M. Irvine, St. Joseph, Mo.

Jefferson Thomas, Harrisburg, Pa.

Orlando Harrison, Berlin, Md.

C. M. Griffing, Jacksonville, Fla.

George C. Roeding, Fresno, Cal.

H. D. Simpson, Vincennes, Ind.

ARRANGEMENTS

J. B. Pilkington, Portland, Ore.

PROGRAMME

Samuel A. Miller, Milton, Ore.

EXHIBITS

Frank W. Power, Orenco, Ore.

EDITING REPORT

John Hall, Rochester, N. Y.

ROOT GALL

F. A. Smith, Lake City, Minn.

MEMBERSHIP

James McHutchison, New York City

Legislation—West of Mississippi River,
Peter Youngers.

Publicity and Trade Opportunities—W. P.
Stark.

Root Gall—E. A. Smith.

Transportation—Charles M. Sizemore.

Membership—James McHutchison.

Program—Samuel Miller.

Exhibits—F. W. Power.

Entertainment—J. B. Pilkington.

Vice-Presidents—

Election of Officers.

Unfinished Business.

Resolutions.

ENTERTAINMENT.

Wednesday Evening.

Features to be announced by Committee.

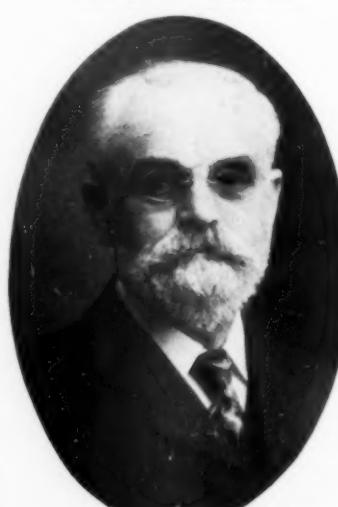
Friday, 12:00 Noon

Attendants are invited to become guests of the Oregon Nursery Company on a Trolley Trip to their Nurseries at Orenco, where lunch will be served at 1:00 P. M. After inspection of the Nurseries and recreation, the return trip will be made, arriving at Portland late in the afternoon.

On Saturday

Excursion on the famous Columbia River, given by the Local Nurserymen. Steamer "Bailey Gatzert," leaving at Alder Street Docks. Time to be announced.

Continued on Page 173



JOHN HALL, Rochester, N. Y.
Secy. American Assn. Nurserymen

Portland Oregon--City of Great Charm

PORTLAND is a thriving, up-to-date city, the oldest and the largest of the Northwest cities. Its streets, business buildings and dwellings all reflect standards which have been developed in the newer life of the past few decades. The foundations of Portland were laid sixty-two years ago, and since that time its development has been continuous. In actual building operations Portland ranks sixth of all the cities in the United States. The population is rapidly climbing upward from the 270,000 mark.

Portland lies at the junction of the great valley systems and is connected with every part of the great northwestern region (comprising the three states of Oregon, Washington and Idaho) by water-level lines of communication, meeting at the junction of the Columbia and Willamette Rivers. This physical fact accounts for the original location of Portland and is the secret of its continuous growth and commercial power. It is inevitable that the future will see Portland one of the world's greatest marts, with the river Columbia as its royal road to the sea, placing Portland practically on the margin of the Pacific Ocean. The great milling industry, of which Portland is the center, finds its commercial markets spread to Vladivostok, Liverpool, Central America, Hong-kong, Manila and Australia, while equally the lumber industry, extending from Siberia and interior China to the Mississippi, centers in this city.

Portland is a city of great charm, lying amid a landscape of hill and dale, beautiful river and verdant forests, under the shadow of the magnificent mounts of Hood and St. Helens, perpetually snow-clad. The business district is solid and imposing, not excelled by any of equal population. The streets are well paved, shaded by trees that form a background for the clustering roses and the emerald lawns of the residence district. The average mean temperature in July is 67 degrees, in January 42.1 degrees, with climatic conditions remarkably equable. The annual rainfall averages 39.84 inches, less than that of New York, Philadelphia and New Orleans, and practically the same as that of Wash-

ton, D. C. Heavy winds are rare. Contagious diseases are practically unknown, the water supply coming cool and clear from the purest of mountain sources. Thoroughly modern as a city, the hostleries of Portland are famous for cuisine and service, the stores displaying as tempting wares as those of any city East or West, and the best of attractions are booked at the theaters.

The surrounding valley of the Willamette presents a splendid field for diversified farming and livestock industries, while other districts boast rich values of mineral and famous fruit yields from what is known as the



E. A. SMITH, Lake City, Minn.
Chairman Root Gall Committee, A. A. N.

Hood River section. Dairy enterprises are prosperous and numerous.

Six railroads have terminals in Portland, and her steamships connect with China, Japan, the Philippines and the leading cities of the Coast. At the junction of these water-level transcontinental railways, with sea-going vessel facilities, Portland has advantages hard to enumerate and possibilities for commercial development beyond imagination.

New York State Inspection

Commissioner Huson, of the New York State Department of Agriculture, states that since January 1, 1913, he has received notice of, and his agents have inspected, approximately 10,000 separate shipments of nursery stock coming into the state, embracing millions of plants, trees and seedlings. The amount of diseased and infected stock found is much less than in former years. Two shipments only contained gipsy and brown-tail moths, the gipsy moth coming from Japan.

The Jewell Nursery Co.

Lake City, Minn.

Established 1868 1500 Acres

Specialties for Fall 1913

Norway and Carolina Poplar. 2-3, 3-4, 4-5, 5-6, 6-8, 8-10, 10-12 feet.

Box Elder, Ash, Elm Seedlings—all sizes

American Basswood and Soft Maple Trees.

100,000 Currants, red and white.

75,000 McIntosh, Jonathan, Bell-flower, Winesap, etc. 2 year, fine stock.

Three year apple in all Hardy Varieties.

Three year Crab.

Yellow Dogwood, Snowball,
Hydrangea

WRITE FOR SPECIAL PRICES

LET US PRICE YOUR GENERAL
WANT LIST

Executive Committee, American Association Nurserymen



H. B. CHASE, Huntsville, Ala.



J. W. HILL, Des Moines, Ia.



P. A. DIX, Roy, Utah

Pennsylvania Restrictions on Nursery Sales

The following bill was introduced in the Pennsylvania House of Representatives:

AN ACT to provide that trees, shrubs, vines, plants and seeds sold in Pennsylvania may be guaranteed true to the variety for which they are sold and providing a legal method whereby the grower can obtain financial redress from the dealer or seller being "a legal indemnity plan for growers."

Section 1. Be it enacted by the Senate and House of Representatives of the Commonwealth of Pennsylvania in General Assembly met and it is hereby enacted by the authority of the same That in order to provide for the assurance of buying or selling trees, shrubs, vines, plants and seeds true to the variety named offered sold or ordered in Pennsylvania it shall be legal to proceed as follows:

Any nurseryman or dealer may file a bond of two thousand dollars or more with the Secretary of Agriculture which bond shall be held for suit and indemnity in case any trees, shrubs, vines, plants or seeds prove upon producing fruit or reaching maturity that they are not of the variety ordered and paid for by the grower with an indemnity of one dollar for each year or single part of a year that each falsely labeled tree, shrubs, vine or tenth of an acre or less single unit of plants or seeds shall have been grown by the purchaser.



When You Need
APPLE SEEDLINGS
APPLE BUDS
APPLE GRAFTS
APPLE SCIONS
APPLE TREES

Remember

JIM PARKER
The Apple Tree Specialist
Tecumseh, Oklahoma

MULBERRIES

WE ARE GROWERS OF
HICKS,
DOWNING,
STUBBS,
BLACK ENG.
NEW AMERICAN

Will have about 75,000 to 100,000 for Fall Delivery, 1913

BUFFALO NURSERY COMPANY
McCullers, R. F. D., No. 1, N. C.

FOR FALL OF 1913

We offer more than our usual supply of One and Two Year Apple Trees. We still have a large lot of Scions to offer. Write for prices.

JOHN A. CANNEDY NURSERY & ORCHARD CO.
CARROLLTON, ILL.

New Strawberries

Our annual plant catalog free to all. Reliable, interesting and instructive. All about the New Everbearers and other important varieties. The New Progressive Everbearing Strawberry. Rockhill's best of all, now offered for the first. Plants set last spring and fruiting until the ground froze produced for us at the rate of \$1.00 per acre for the fruit alone. A Great Sensation.

Address: C. N. FLANSBURGH & SON, Jackson, Mich.

Section 2. Provided, however, that the purchaser shall have informed the seller before buying that he wishes to buy in accordance with this legal indemnity plan and upon ordering his trees, shrubs, vines, plants or seeds shall also inform the Secretary of Agriculture as to the number and kind of quantity respectively of each variety ordered and the name and address of the seller. It shall then be the duty of the Secretary of Agriculture, provided the seller has filed with him a bond as herein mentioned to furnish said seller as many indestructible tags as may be needed to place one on each tree, shrub, vine or one-tenth of an acre or single fraction thereof, plants or seeds purchased or sold. The tags shall be provided and sent by mail for the actual cost of preparing and mailing which cost shall be paid by the purchaser. These tags shall bear the name of the variety or varieties respectively ordered and shipped and also the names and addresses of the seller and purchaser and the date of buying. The seller shall attach the proper tag to each respective tree, shrub or vine to variety named on said tag and the same shall be kept on its proper tree, shrub or vine until planted when it may be removed and attached by copper wire or other durable device to a stake or rod driven into the ground beside the tree, shrub or vine to which it was originally affixed. The planter shall within a week from the time of planting, send to the Secretary of Agriculture and also to the seller or nurseryman a chart of that portion of his premises showing the exact location of each tree, shrub or vine planted in accordance with the provisions of this act. It shall be the duty of the Secretary of Agriculture within six months to send an inspector with the chart to compare the labeled planting and note any inaccuracies of labels or charts.

Section 3. When the labeled tree, shrub or vine first produces fruit if the owner doubts the accuracy of the original labeling he shall notify the Secretary of Agriculture who shall cause the bearing tree, shrub or vine to be examined and named at once. The inspector shall notify the grower and Secretary of Agriculture of his determination. If the name of the variety given is not in accordance with that of the respective label the grower can legally bring suit in court against the bond of the seller for an amount equal to one dollar for each year or single fraction thereof that each tree, shrub or vine wrongly labeled shall have been planted.

Section 4. It shall be the duty of the Secretary of Agriculture to report to all inquirers and make special published mention at least once per year of all nurserymen and sellers of trees, shrubs, vines, plants and seeds who shall take advantage of this opportunity to bond themselves in Pennsylvania to insure the accurate labeling of their wares. Although such bonding shall be voluntary by the dealer no grower shall make claim for damages under this act who has not purchased his trees, shrubs, vines, plants or seeds of a properly bonded and listed dealer as recorded by the Secretary of Agriculture of Pennsylvania and otherwise acted in accordance with the provisions of this act.

Just say you saw it in AMERICAN FRUITS.

Promoting the Apple

The following stirring apple song is a piece of advance copy from a book published by James Handly, Quincy, Ill., secretary of the Mississippi Valley Apple Growers' Association reporting its proceedings and furnishing the public with names and post office addresses of the members:

Battle Hymn of The Apple

By Belle Dorothy Helen, Chicago.

Tune: Battle Hymn of the Republic.
We are coming red and green and gold, ten thousand thousand strong,
Responsive to glad labor's touch a glorious, radiant throng;
We bear within our blossom hearts a promise and a song—

His works are marching on.

Chorus

Glory, glory hallelujah! Glory, glory hallelujah!
Glory, glory, hallelujah! His works are marching on.
We lay our treasures, health and wealth, upon Columbia's shrine,
Midst incense of our orchard homes where sun and dew drops shine,
In rosy hues, in golden glows, resplendent gleams the sign—

His works are marching on.

In petals sweet we venture forth when springtime blooms appear
We grow in strength neath summer's blue, neath Autumn's red touch sear,
We give to nations' stalwart sons a fruit of strengthening cheer,
His works are marching on.
Our red and green and golden gifts in bounteous harvests lie,
Bedecking kindly Mother Earth beneath the great domed sky,
Accept these gifts and join with us, all Nature's gladsome cry—
Yea, God is marching on.

Richland Nursery Company

Among the nurseries which will be visited by nurserymen in connection with the Portland convention are those of the Richland Nursery Company, at Richland, Wash. The company is capitalized at \$25,000 and is officered by C. F. Breithaupt, president; W. J. Breithaupt, vice-president; A. C. Breithaupt, secretary; J. C. Breithaupt, treasurer. President Breithaupt is active in the affairs of the Pacific Coast Association of Nurserymen and is one of the vice-presidents of that organization.

T. S. HUBBARD CO.

FREDONIA, N. Y.

GROWERS OF

Grapevines Currants Gooseberries Blackberries

Leading varieties well rooted. Write for prices naming kinds and quantity wanted.

Established 46 Years

Large stock CLEMATIS PANICULATA,
2-year and 3-year

Also SHRUBS and HERBACEOUS PLANTS
for Fall 1913

T. R. NORMAN
PAINESVILLE, (Successor to Norman & Hacker, O.

American Pomological Society--Official Bulletin

E. R. LAKE, Washington, D. C., Secy.

A feature of the next meeting of the American Pomological Society will be the score card judging contest. The purpose of this work is to bring about a more uniform and systematic system of judging fruits in competition. It is proposed to make the work strictly educational. First, by bringing together a comprehensive collection of fruits from all parts of the continent; second, by requiring all contestants to use the same score card values; third, by requiring each contestant to judge both varieties of his own section and those from distant sections; fourth, by submitting a full explanation of the scores made by contestants

to the convention, together with an explanation of the values written into the score cards.

This ought to result in several distinct advantages to both the producers and the consumers. The one ought to learn what to strive for in producing a fruit; the other ought to learn what constitutes a good fruit; and both ought to obtain a knowledge of the characters of fruits that are of particular importance and value.

It is confidently expected that this step will inaugurate a distinct movement for better fruit, and that the growing, exhibiting and marketing of fruit will receive a positive stimulus through the general introduction of a uniform score card practice in judging competitive exhibits.

Will You Be Importing Roses Next Season?

If so, write us and we will mail you by return our catalogue of roses which quotes you prices on practically

EVERY GOOD ROSE IN COMMERCE

up to novelties of 1913 (the last by special permission of the raisers). Write today and we will send the catalogue by return mail.

The EAST END NURSERIES CO.

Rose Specialists

BOSKOOP

HOLLAND

"American Fruits" Year Book and Directory Of Nurserymen

Nurserymen of the United States, Canada and Europe are listed with their addresses in the "AMERICAN FRUITS" YEAR BOOK AND DIRECTORY.

Also the shipping laws regulating transportation of Nursery Stock in the Union and in Canada, with the name of the State Official in charge. Statistical matter concerning the Nursery Business and Directories of Nursery and Horticultural Organizations, national, district and state.

Alphabetically arranged, profusely illustrated and indexed for ready reference.

The only exclusive Nursery Directory in the world.

PRICE \$1.00

American Fruits Publishing Co.

123 Ellwanger & Barry Building

Rochester, N. Y., U. S. A.

Do not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic, and reasonable, and can reach any point in the United States and Canada.

NATIONAL FLORISTS' BOARD OF TRADE,
58 Pine St., N. Y.

ducts; pears; apples; nuts: To the team or individual making the best report upon the exhibit, covering its tone, quality and other merits or demerits; its value economically or educationally; constructive criticism of the exhibit as a whole; suggestions for competitive work in 1913.

NO MATTER WHAT

Periodicals you are taking you cannot afford to be without "American Fruits" declared by leading Nurserymen throughout the country to be beyond question the most able and valuable Nursery Trade Journal published.

Twelve and one-half cents a month by the year.

BERCKMANS' Dwarf Golden Arbor-Vitae

Biota Aurea Nana

Camellias, home-grown
Azalea Indica, home grown
Teas' Weeping Mulberry, extra heavy
Lilacs, best named sorts
Grafted Wistarias, 2 to 4 years old
Biota Aurea Conspicua, all sizes
Biota Japonica Filiformis, 1 to 4 ft., fine plants
Magnolia Grandiflora, *Magnolia Fuscata*,
Magnolia Purpurea, *Exochorda Grandiflora*,
Deutzia, *Philadelphus*
We have a large stock of fruit trees, ornamental trees and shrubs

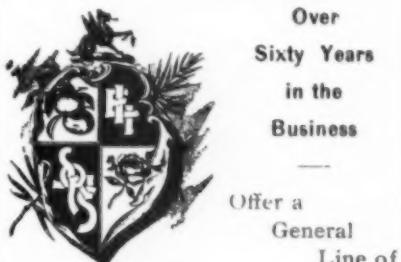
All orders receive prompt and careful attention
P. J. BERCKMANS CO., Inc.
Fruitland Nurseries

Established 1856 AUGUSTA, GA.

The Monroe Nursery

I. E. Ilgenfritz' Sons Co.

MONROE, MICH.



Over
Sixty Years
in the
Business
—
Offer a
General
Line of

CHOICE NURSERY STOCK

Cherry and Std. Pear

of extra quality. If you are in the market for superior trees write us for prices.

I. E. ILGENFRITZ' SONS CO. MONROE, MICH.

Manufacturers of the Celebrated Ilgenfritz Graft and Stock Planter and Firmer.

AMERICAN FRUITS PUB. CO., INCORPORATED
STATEMENT of ownership and management of
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Stockholders, Ralph T. Olcott, G. R. Olcott, G. K.
Olcott. Sworn to and subscribed April 14, 1913 before,
Wilbur Osborn, notary public, whose commission ex-
pires March, 1916.

British Columbia Invites Eastern Nurserymen

To Partake of Its Beauties When on Their Trip to the Portland Convention--Vast Resources of a Territory Greater Than That of Thirteen States of the Union--Okanogan, Kootenay and Other Fruit Districts--Prince Rupert and Even Juneau Are Suggested

By a Nurseryman Who Knows

NURSERYMEN throughout the Eastern and Central states who are contemplating attending the convention of the American Association of Nurserymen in Portland, Oregon, next June, should not fail to include in their itinerary a trip through the fruit districts of British Columbia.

This Western Province of Canada is a vast Empire of which most people know but little. When you consider that its area is 355,855 square miles it is extremely difficult to appreciate how large a province it really is, until we compare it with states or provinces of which we are more or less familiar.

The province of British Columbia has an area greater than the states of New York, New Jersey, Pennsylvania, Virginia, West Virginia, North Carolina, South Carolina, Ohio, Indiana, Vermont, New Hampshire, Connecticut and Massachusetts combined. Its population of course, is not nearly so great, but according to statistics, it had in 1911 a population of 392,000 as compared with 178,000 in 1901. In other words, it has more than doubled its population in 10 years which certainly indicates something of the development that has been going on within the vast fertile province in the last decade.

Great Resources

British Columbia has a vast variety of resources, but naturally the fruit business is the one most interesting to Nurserymen and there are a number of sections in the province in which the fruit industry is carried on quite extensively and along modern lines, which would prove of special interest to nurserymen. The lower Fraser River Valley which is one of the oldest settled sections of the province is a very fertile valley and in which are to be found many well kept orchards. It is however, in the higher altitudes where commercial fruit growing has developed most extensively.

The Okanagan district which lies tributary to the Okanagan Lake in the south central part of the province is one that has already won wide distinction in the production of peaches and apples. A little farther east is the Kootenay district, embracing the territory tributary to the Arrow, Slocan and Kootenay Lakes. This is an extensive district, reaching from the national boundary on the south, to Revelstoke on the north and is a section worth while visiting.

The territory along the Canadian Pacific through the upper Thompson River affords another section that is fast developing into Horticulture prominence. In this section are such growing towns as Lytton, Ashcroft, Kamloops, Salmon Arm and Sicamous.

Vancouver Island

Separate from the main land by the Strait of Georgia is Vancouver Island, where some of the finest fruit-land in the province is to be found. Vancouver Island holds many points of interest for pleasure seekers and throughout the greater portion of the Province he will find the ever present evidence of his brother nurserymen.

For the sightseer and tourist, British Columbia abounds in material and there is no end to the points of interest one might visit or the variety of pleasure to partake of. Leaving Portland, the Convention City, and known throughout the world as the "City of Roses," it is only a few hours ride by train to Seattle, where a steamer can be taken bound for either Victoria or Vancouver. A steamer ride on the placid Puget Sound with the snow capped mountains of the Olympic range on your left and those of the Cascade on your right, with the shores only a short distance away, showing a mingling of farm and forest, and then crossing the breezy strait of Juan de' Fuca, certainly is a trip anyone, and particularly an inlander would enjoy. The trip from Seattle to Victoria only

consumes a few hours, in fact, it does not seem half long enough. Victoria, which is the capitol of British Columbia, is a city of 35,000 population and is one of the cleanest, prettiest and most interesting cities of its size one will find and a week could be spent in and around Victoria with pleasure and benefit. Proceeding to Vancouver through the strait of Georgia, dotted with its enumerable islands, makes your steamer ride one long to be remembered. Arriving at Vancouver, which is the largest city in the province, and which at its present rate of growth, will soon hold its place with the older cities on the coast, is likely to prove a surprise and wonder, when you consider its youth and view its magnitude. With numerous sky-scrappers; large wholesale and retail districts, manufactures, parks and other evidences of permanent development, standing as an evidence of the progressive western spirit. Vancouver has one of the finest harbors in the world and ships from all nations can be daily seen at its wharfs.

Fine Mountain Scenery

The writer will not attempt to enumerate the points of interest which visitors should take in, either in Vancouver or the province, but it will surely repay anyone to take a trip through British Columbia and by arranging your return trip over the Canadian Pacific, it will enable you to see some of the most sublime mountain scenery on this continent, and many who have had the good fortune and pleasure to visit Switzerland and other foreign countries, claim that the mountain scenery along the Canadian Pacific excels that to be seen in any European country. The scenery cannot be described in words. By getting stop-overs at such points as Sicamous it will enable you to take in the Okanagan fruit districts; then from Revelstoke you can take in the Kootenay district.

Continued on Page 165

CAPE HORN—COLUMBIA RIVER—OREGON



The Loganberry a Northwest Market Feature

The following extract is used by permission of the Pacific Horticultural Correspondence School, from their copyrighted booklet on "Loganberry Culture" and "Loganberry Juice," by Prof. C. I. Lewis.

Home Manufacture of Juices

The simplest way to make Loganberry juice that we have ever tried is the following: Place just enough water in the bottom of a kettle to cover the loganberries. Heat nearly to the boiling point, but do not allow to boil. Stir them occasionally and crush them if possible. After they become soft strain the mixture through a cloth jelly bag. Allow the mixture to drop thoroughly, putting the juice back on the stove and adding one-third sugar by measure. Again heat the juice up to about 200 degrees and bottle. Drive in the corks tight and cover with paraffine. Such juice can probably be kept indefinitely, as I have kept it at least two years. This is a heavy juice and will need to be greatly diluted before drinking. From one-half inch to an inch of this juice in the bottom of a glass of water is a beverage of sufficient strength. In making punches the addition of the juice of four lemons to each gallon adds to the quality."

"Loganberry Culture," by Britt Aspinwall.

Training the Vines

"The first year the vines should be trained upon the wires the latter part of September or during October. In training them up the first year a number of the shorter canes will have to be tied to the wires to keep them up, but after the first year they can be trained without tying by wrapping them around the wires. In training spread the vines out covering as much space as possible and avoid bunching them on the wires, as it will bother in picking the berries if the vines are bunched. The top wire will carry most of the weight and we run the vines out on this wire and the second one, turning the ends down just enough to hold them good unless more plants are wanted, when they will have to be trained with the tips down to the ground so they can be covered in the fall.

To secure plants from the vines train them with the tips to the ground and cover about three inches deep about the first of October. They will take root in the fall and make

good strong plants for setting out in March or April. They may be covered by plowing a furrow to them if the tips are nearly even or with trowels.

Picking *

Picking season will start in about the 20th of June but it is sometimes a week or ten days earlier or as much later. It will last about six weeks. If the berries are to be shipped to the market fresh they will have to be picked very firm, but if they are to be evaporated, they must be left on the vines until fully ripe as they will dry heavier and make a better fruit if fully ripe.

It requires about five good pickers for each acre. Everything should be in readiness before picking starts, plenty of wood and water for the pickers, carrier for picking into, etc. A good yard boss is also very important. One who knows just how the berries should be picked and can get along with the pickers is the kind to have. He must be able to get through the yard several times a day. The rows should all be numbered so the yard boss can keep a book of just which row each picker is on and know who is responsible if any berries are skipped. If they are to be shipped to the cannery or to the market fresh, a good packing shed should be provided in the center of the yard so as to make it convenient for the pickers to bring in the berries.

Personal

The lively and interesting article entitled "A New Quarantine," which appeared in the April issue of *American Fruits*, was by P. A. Dix, Roy, Utah. Many have desired to know who was the author.

"If I had my way I'd make every man in the state of New York plant a tree every month," said Gov. Sulzer on May 13, interrupting a hearing on bills appropriating \$310,000 for the New York State College of Forestry at Syracuse University. "I have always planted trees," said the Governor. Why wouldn't New York's governor be an enthusiastic honorary member of the American Association of Nurserymen?

The receivership case of W. P. Stark vs. Stark Brothers Nurseries and Orchards Company came up in the Common Pleas court at Louisiana, Mo., on May 5. The defendants filed answer to plaintiff's petition,

and depositions on behalf of plaintiff and defendant were filed. The plaintiff filed a motion to make plaintiff's answer more definite and the defendant was granted permission to amend answer. The case was put over until June 16th.

Charles H. Gable, entomologist and horticulturist for an Ottawa, Kan., nursery, has accepted a position with the government of Portugal to go to the Maderia Islands to supervise work on large fruit farms. The position was offered to him through the United States Department of Agriculture.

Thomas Nimon, Canton, O., who has large nursery interests in Colorado, recently addressed horticulturists at Robertsburg, O., on the pedigree of fruit trees in which he is a firm believer.

Short Foreign Postage

The department of Commerce reports complaints in increasing numbers from business men in foreign countries against the short postage on letters from the United States. With the childlike simplicity which characterized the facial expression of Bret Harte's immortalized oriental, the Federal department implies utter helplessness on the part of the government and suggests extension of the practice of some business firms of using a special colored envelope for foreign letters to prevent the oversight of short postage. In the first place, the fact that carelessness in observing postage rates is so general as to cause repeated comment by a federal department, is evidence of the loose methods employed in many American business houses and indicates conditions which must result in much waste in other directions. Of course the president of a great corporation cannot personally supervise the stamping of letters, but it might well be the duty of some responsible person to do so in view of the common complaint from abroad that short postage directly affects trade with America. In the second place, a postal law which marks "held for postage" and returns an unstampd letter might easily do as much in the case of a short postage foreign letter and thus prevent the annoyance of complaints at Washington and protect our international reputation. Why not?

STR. BAILEY GATZERT—IN CASCADE RAPIDS, COLUMBIA RIVER



AMERICAN FRUITS

An International Journal of
NURSERIES, ARBORICULTURE
COMMERCIAL HORTICULTURE

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ROCHESTER, N. Y., June, 1913

Need of Association Action

Years ago there were rumblings under the surface of the nursery trade caused by the effects of substitution which the growth of the business and consequent difficulty of obtaining true varieties at short notice were more and more extending. The evil increased and complaints theretofore made mainly by the orchardist began to be voiced by the nurseryman. Then nursery growers and dealers commenced laying emphasis on the true-to-name character of their stock. In recent times the evil of substitution has been the subject of convention discussion among nurserymen; but it still exists.

William Allen White achieved fame by his query during the national campaign, at the time the populace realized that something was wrong and did not know just what it was. Frequently old-time nurserymen are asking what's the matter with the nursery business, suggesting that progress is not in keeping with that in many other lines and that something has taken the edge off the business. Unconsciously there has been a trade revolution as well as trade evolution. In the opinion of some experienced nurserymen the trade in general is suffering from the aftermath of the old tree dealer days—the period when in canvassing practice throughout the country the doctrine was preached and accepted in the trade that "an apple is an apple and a pear is a pear." The question may perhaps well be put: Has such license run riot with the trade?

The nurseryman who is a fruit grower and thus keeps especially in elbow touch with the planter appreciates the wisdom of the suggestion and the harmful effects of substitution. Generally the tree dealer is blamed; but as a nurseryman recently remarked, his principal not only held the sack but was morally responsible.

It is high time for the nurseryman to wake up on this and some other similar questions. Time is relentless in its changes. The buying public was never in so discriminating a mood. We used to go into the first convenient store to purchase an umbrella or a pair of hose, never thinking to ask for a particular make. Nowadays we demand the product of a particular factory as designated by a particular name and accept no other. The planter who orders Jonathan apple trees is sufficiently advanced in his ideas to demand that he get what he pays for. It is his repeated failure to do this that has resulted in New York and Pennsylvania in the introduction of legislative measures, the second of which is presented in this issue of *American Fruits*, penalizing the nursery trade for this evil of substitution. We had occasion in a previous issue to criticize the undue severity and hampering conditions of the New York state measure and this was materially amended. But such legislation is bound to come, and the nurserymen are themselves to blame for it. The nail was hit squarely on the head by J. Moncrief, of Winfield, Kansas, in his communication to *American Fruits*, in the May issue, when he remarked that it may be necessary for nurserymen to adopt drastic measures in order to raise the standard of the business.

More than once we have indicated a direction in which the American Association of Nurserymen could be of directly effective benefit to the trade—the direction of non-membership and ostracism for all who deliberately persist in damaging the trade and causing the good to suffer with the bad. The Pacific Coast Association, the Western, the Southern and the Eastern Associations could co-operate. This is the age of the square deal. Think it over at Portland.

The American Association

The American Association of Nurserymen, organized thirty-eight years ago, has been actively working for the advancement of nursery interests of this country and has accomplished much in visible results. What it has done for the trade by the mere fact of its existence is immeasurable, for it is well known that a national trade organization, fully officered, meeting regularly in convention and having efficient committees on the watch for legislation in the interim between conventions, has a moral influence in behalf of the trade's interests of the highest value and difficult to appraise.

When it is considered what such an organization as the American Association of Nurserymen has done, it would seem that membership and renewals of membership would be forced upon the secretary and that there would scarcely be a nurseryman in the country of progressive aims who would not be a member. Yet each year the secretary is obliged to make an appeal to the nurserymen of America in order even to maintain a fair showing as to membership.

The only answer is: The Association must still further increase its efforts and enlarge its work. It must make membership, already highly valuable, absolutely irresistible.

While it is perhaps desirable to hold conventions at some time at the extreme limits of the territory covered by its activities, in order to stimulate special interest in those sections, the Association should keep in mind the fact that the annual gathering is the most potent factor in its growth—in the very maintenance—and should arrange conventions for the most part at centrally located points. In general the district associations, Pacific Coast, Western, Southern, Eastern and New England, and the state associations afford opportunity to meet once a year or oftener for conference, discussion and renewal of acquaintance. Meetings of the national association should as a rule be centrally located and thus insure the drawing of a representative attendance. This is one thing which bears directly upon the subject of membership.

During the year *American Fruits* has suggested numerous subjects and methods which would seem to be worthy of the consideration of the officers of the Association.

A Live Convention Topic

One of the most important subjects concerning the nursery trade is prices for nursery stock. Another is the quality of stock grown. Another is the old, old story—long ago dispensed of by discard in practically every other line of trade—the indiscriminate sending of wholesale catalogues with prices.

All of these subjects are closely related. They have to do with the very life of the trade; yet, though they have been discussed in conventions and in the press, little or nothing has been done to remedy conditions.

The American Association is a national organization. It has, or should have, certain powers in conformity to the wishes of the majority of its members. Has it exercised them on any occasion? Is there not much of a very practical nature which should be accomplished in convention and set in motion for action ad interim by active and efficient committees?

Entertainment features at convention time are excellent, advisable and proper; but when the Association is in business session the valuable and hard-earned few hours in annual assembly should be productive of very definite results. Papers and addresses not tending to this end should be read by title, and business which counts should be the constant order. Then entertainment may be had with redoubled zest. Try it.

Planters say they are ready to pay five to ten times the price of a cheaper tree if they can get good stock and dependable sorts. What is being done about it in the trade?

Montana

What the nurserymen from the East may see in passing through Montana was described entertainingly in the April issue of *American Fruits* by D. J. Tighe, of Billings, Mont. (See page 100 of that issue.) Minerva terrace, of the Yellowstone National Park, was depicted in that issue.

Putting Stark City "On the Map"

Progress Made in the Past Twelve Months by the William P. Stark Nurseries

To realize an ambition is gratifying, but to have the results exceed one's anticipations two-fold is nothing short of supreme satisfaction.

This briefly is the story of this year's work at Stark City. We did over two and one-half times the business we had set as an estimate for the season.

A great deal of this was due, I believe, to the warm interest and friendly efforts shown by my countless friends among nurserymen, orchardists and fruit growers in general the country over. And I want to take this opportunity to thank my many friends and counselors whose encouragement has contributed so largely toward aiding me in maintaining the high standard I have endeavored to follow in nursery work.

Our New Location on Top of the Ozarks

At Stark City, Missouri, we are on top of the Ozark plateau, with an altitude of 1,200 feet. At this particular spot we are fortunate in having in one body several large tracts of rich soil on a limestone foundation.

This soil and the splendid mountain climate are especially favorable for growing a most varied and complete assortment of nursery stock. Our famous Stark-Ozark 1-year-old apple and peach trees thrive amazingly; the roots form long, strong and vigorous, giving us unusually good planting trees.



WILLIAM P. STARK

Efficient Packing Houses

Our brick packing houses, I believe, are unparalleled anywhere. The buildings cover over an acre, and we have excellent facilities for handling and caring for stock. The height of the main buildings is 16 feet at the eaves, giving an unusual storage capacity. As the houses are of brick, and well arranged for ventilation, we are able to maintain a uniform temperature, not high enough to start sap action, not too dry, not too cold.

Being located on three railroads, routing and delivery are well taken care of. My men call me an extremist on the subject of packing and boxing, but I am a great believer in delivering trees in perfect condition.

Our Plans for the Future

With the splendid headway we have established and the exceedingly favorable conditions under which we are working, we look for big things in the future.

We have several million trees in process of manufacture here now, which will be ready for fall and spring planting. We are able to grow better trees and give better service than ever before. Our organization is working smoothly and with precision, and from present indications will have all it can handle the coming season.

I shall be glad to have you pay me a visit. I believe I can show you some things that will interest you and you will find a cordial welcome any time you come.

WILLIAM P. STARK

WILLIAM P. STARK NURSERIES, Stark City, Mo.



The Largest Brick Packing Houses
In the United States, Giving Us
Unequaled Shipping Facilities.

PORLAND, OREGON AWAITS GUESTS

F. H. STANTON, Hood River, Ore.

OREGON will interest every nurseryman, his wife and the children. The state of Oregon is very important on account of its historical interest and is an interesting faction on fruit growing to all nurserymen.

The Hudson Bay Company of England early in the last century located a number of trading posts in the Northwest, for the purpose of controlling the fur industry. In 1842, through the heroic efforts of Joseph Meek and a few other enthusiastic citizens of the United States, assembled at a mass meeting in the state of Oregon, which was called for the purpose of deciding whether the territory should belong to England or the United States, by a small majority it was decided in favor of the United States.

The state of Oregon and its early settlers is responsible for the great big country then known as the Oregon country,—now known as the Northwest, including the states of Oregon, Washington, Idaho and Montana, being United States territory, and in a measure are also responsible for our present national boundary, all of which was settled satisfactorily by England and the United States.

A Salubrious Climate

The state of Oregon is celebrated for its splendid climate, which is temperate the year around, free from all sorts of disturbances, such as hurricanes, cyclones, earthquakes, floods, etc. There is hardly a section of the state, excepting the mountains, where a man cannot sleep out of doors during the entire year, nor on the other hand is the climate ever so warm as to become oppressive. Such a thing as death from heat has scarcely ever been known.

Oregon's industries and resources are almost unlimited. The state is celebrated for its wonderful output of lumber, the standing timber probably being unequaled by any state in the union at the present time. Wheat and grain are grown in large areas very successfully. The climate is such that grass grows nearly the year around in most of the state, and for this reason in connection with the mild climate existing throughout the year, the state is becoming celebrated for stock, immense areas being devoted

to raising cattle, horses, sheep, hogs, etc. Dairying is becoming another of the prominent industries of the state, and Oregon cheese is celebrated in every part of the world by the high livers who know what good cheese is. The salmon canneries are extensive and this industry is one of the most prominent in the state.

Produces Fine Fruit

Oregon produces fine fruit. The fruit of the home orchards of the early settlers, more than half a century ago, was consumed principally locally and for coast trade as far south as California. During the last ten years the fruit industry of the state has rapidly grown, the present output totaling several thousand cars per year. Fruit is now shipped all over the world from this state. While apples are grown more extensively than any other fruit, the state is just

Two Best Cherries

To Oregon belongs the fame of originating the two best cherries grown anywhere in the world,—the Lambert, which was named after Mr. Lambert, a pioneer who was the originator, and the Bing, named after a Chinaman who was foreman of an orchard where this cherry originated. Both of these cherries are about as large as a quarter of a dollar, of splendid flavor, very dark in color, being a rich mahogany. They are solid in flesh and have been shipped in open express across the continent, without ice.

The Hood River strawberry has been supplied to all of the principal hotels in cities west of Chicago in first-class condition. These berries are famous for their quality, flavor and keeping qualities. They are the best strawberry grown in the Northwest. Hood River is entitled to credit as being the originating point of the famous Hood River



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Cascade Rapids, Columbia River

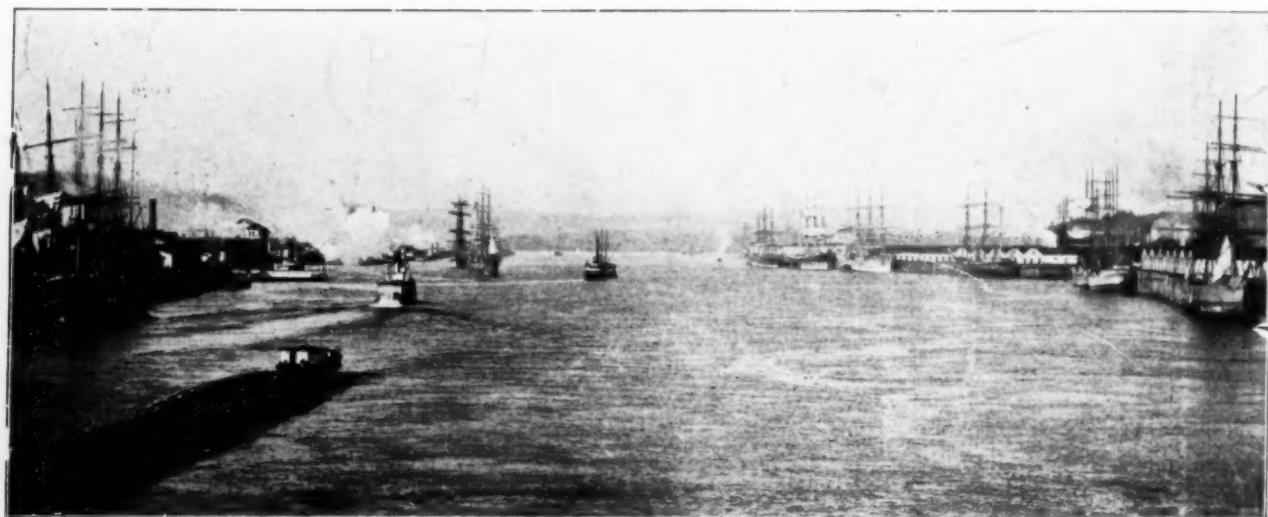
ly celebrated also for pears, peaches, grapes, plums and all small fruits, such as strawberries, raspberries, loganberries, etc. Very few sections in the United States are successful in growing the English Walnut, but certain parts of Oregon are especially adapted to walnut growing, and the number of acres planted to this nut is rapidly increasing.

strawberry, which was originally called the Clark's Seedling, after the man who discovered it. Nearly every nurseryman and fruit dealer in the United States is aware of the fact that Oregon is the originator of the Hood River strawberry; the Bing and the Lambert cherry.

Yellow Newtown and Spitzenberg

Nearly every nurseryman also knows that

BIRDSEYE VIEW OF PORTLAND HARBOR



WITH A TYPICAL WESTERN WELCOME

Oregon has been for many years celebrated for its beautiful apples and their keeping qualities. Especially is this true of the Yellow Newtown and the Spitzenberg, which have realized higher prices during the last ten years than have been obtained for any other commercial apple, grown anywhere in the United States. Nearly every nurseryman realizes that the Comice, Anjou and Bartlett pears are grown extensively in the state of Oregon, and the highest prices are obtained for these varieties in the eastern and European markets.

The scenery of Oregon is beyond description. The Columbia River flows along the northern boundary, which is one of the larg-

Nurserymen, their wives and friends who are intending to attend the meeting of the American Association of Nurserymen at Portland in June, can arrange their trip so as to visit Yellowstone Park enroute, which is one of the most wonderful parks in the world; go through the Yakima and Wenatchee valleys, the two largest fruit growing sections in the state; stop off at Tacoma and Seattle; see the Puget Sound; catch a glimpse of Mt. Ranier, the highest snow capped mountain in the state of Washington; and then travel on to Portland, which is famous the world over as one of the most

as to return from Portland by way of the Willamette and Rogue River valleys, excellent fruit sections, stopping off in the Golden Gate city of San Francisco; afterwards visiting Los Angeles and the Orange country; returning home by way of the Grand Canyon, one of the greatest wonders of the world. Those who have never made this trip nor viewed the wonderful scenery of the Northwest country and California, cannot realize what magnificent sights are in store. It is a trip of a life time and no nurseryman should fail to make it, or fail to bring his wife.

Trees From Middle West and East

Oregonians are noted for their generosity and hospitality and it goes without saying that everyone will not only have a good time but a very interesting trip.

The orchardists and nurserymen of the state of Oregon obtained their first trees from the middle west and eastern nurseries, and therefore Oregon feels that it is obligated to all eastern and middle west members of the National Association of Nurserymen. All nurserymen are aware of the fact that Oregon, as well as Washington, Montana and Idaho have for many years been large purchasers from the middle west and eastern nurseries; therefore the nurserymen of the Pacific Coast are anxious to have the members of the National Nurserymen's Association make this trip in order that they may comprehend fully that the Northwest is one of the most wonderful fruit countries of the world.

Coming Events

American Association of Nurserymen—Portland, Ore., June 18-20, 1913.

Pacific Coast Nurserymen's Association—Portland, Ore., June 18-20, 1913.

Oregon-Washington Nurserymen's Association—Portland, Ore., June 18-20, 1913.

Southern Nurserymen's Association—Mont Eagle, Tenn., August 27-29, 1913.

American Florists and Ornamental Horticulturists—Minneapolis, Minn., August 18-22.

American Pomological Society—Washington, D. C., November 17-21.

Maryland Horticultural Society, Maryland Week—Baltimore, Nov. 17-22.

Union Depot—Portland, Ore.

est rivers in the world. Mt. Hood, which is 11,025 feet high, located in Hood River country is eternally covered with snow and is one of the grandest snow capped mountains in the world. Every easterner who has been abroad, when visiting the state of Oregon, is quick to see that the natural scenery of Oregon surpasses the grandest scenery of Europe.

magnificent cities of the great west. From there a side trip could be made to Hood River, which is so justly celebrated and famous for its Spitzenburgs, Yellow Newtowns and strawberries. This trip could be made by boat, giving an opportunity to view the wonderful scenery along both banks of the Columbia river, the grandest along any river of the world. The trip can be arranged so

FISH WHEEL ON COLUMBIA RIVER, NEAR PORTLAND



Pacific Coast Association of Nurserymen

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Portland, Ore.

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C. F. Breithaupt, Richland, Wash.
D. J. Tighe, Billings, Mont.
Byron Smith, Safford, Ariz.
Richard Layritz, Victoria, B. C.

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George Roeding, Fresno, Calif.
M. B. Sowles, Salt Lake, Utah

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George C. Roeding, Fresno, Calif.
P. A. Dix, Salt Lake, Utah
M. McDonald, Orenco, Ore.

SECRETARY-TREASURER

C. A. Tonneson, Box 1604, Tacoma, Wash.

FOLLOWING is the programme for the annual convention of the Pacific Coast Association of Nurserymen at Portland:

Tuesday, June 17th

Pacific Coast. Business Session:
9:30 a. m. Reception for Members and visitors.
10:30 a. m. Announcements by President.
Minutes of Last Meeting.
Reports of Vice-Presidents.

Reports of Committees

Transportation—J. B. Pilkington, Portland, Ore.
Membership—S. A. Miller, Milton, Ore.
Exhibits—J. A. Stewart, Christopher, Wn.
Legislation—

Tuesday, 2 P. M.

Executive Committee—M. McDonald, Orenco, Ore.
Secy.-Treas. Report—C. A. Tonneson, Tacoma, Wash.
Report of Committee of Presidents—M. McDonald, Orenco, Ore.
Question Box.
Election.

JOINT CONVENTION WITH THE AMERICAN ASSOCIATION, PORTLAND, OREGON, JUNE 17 to 20th INCLUSIVE



Tuesday, 8 P. M.

Pacific Coast Protective Association.

Thursday, 1:30 P. M.

Music.

"Nurserymen's Problems in Fungus and Bacterial Diseases."

Prof. H. S. Jackson, O. A. C.

Discussion—A. van Holderbeke, Spokane, Wash.; A. W. Morrell, State Entomologist, Phoenix, Ariz.

"Uniform Horticultural Laws: Their Enforcement and Benefits."

A. J. Cook, Sacramento.

D. J. Tighe, Billings, Mont.

Discussion—F. H. Wilson, Fresno, Calif.
(Subject to be Selected).

Prof. C. I. Lewis, O. A. C.

"Between the Nurseryman and Fruit Grower."

Prof. O. M. Morris, Pullman.

Brief Discussion—L. C. Stark, Louisiana, Mo.; Charles P. Hartley, Emmett, Idaho.

Thursday, 4:45 P. M.

Paper by (Subject and Speaker to be announced).

British Columbia.

Meeting of American Nurserymen's Protective Association.

Meeting of the State Vice-Presidents: (Time to be announced).

Usual Exhibits at Portland

Editor American Fruits:

At the coming convention of the American,

STANDING COMMITTEES APPOINTED

TRANSPORTATION

J. B. Pilkington, Portland, Ore.
F. A. Wiggins, Toppenish, Wash.
W. V. Eberly, Niles, Calif.

LEGISLATION

F. W. Power, Orenco, Ore.
B. H. Bower, Provo, Utah
F. H. Wilson, Fresno, Calif.
A. Eckert, Detroit, Wash.
Chas. P. Hartley, Emmett, Idaho
D. J. Tighe, Billings, Mont.
Byron Smith, Safford, Ariz.
W. C. Ricardo, Vernon, B. C.

MEMBERSHIP

S. A. Miller, Milton, Ore.
Carl E. Wright, Kimberly, Idaho
John Vallance, Oakland, Calif.

RECEPTION

H. A. Lewis, Portland, Ore.
Chas. Howard, Hemet, Calif.
R. McComb, New Westminster, B. C.

ASSOCIATE-RECEPTION

Mrs. F. K. Spalding, Portland, Ore.
Mrs. F. H. Wilson, Fresno, Calif.
Mrs. C. A. Tonneson, Tacoma, Wash.

EXHIBITS

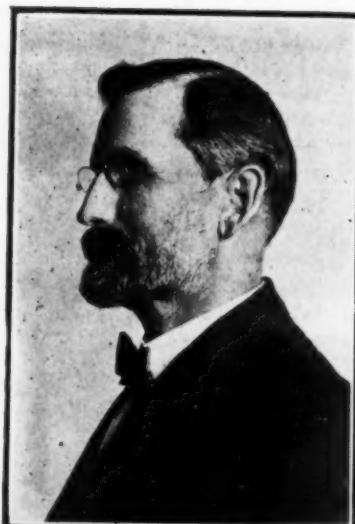
Leonard Coates, Morgan Hill, Calif.
F. K. Spalding, Portland, Ore.
J. A. Stewart, Christopher, Wash.

Pacific Coast and Oregon-Washington Associations of Nurserymen we are trying to make a special feature of the exhibits. The Portland Floral Society has agreed to look after the decorations and also make a good exhibit. This will insure a first-class exhibit from a decorative standpoint, as this society knows how to do things as demonstrated at its floral shows. The nurserymen of California have agreed to bring tropical and semi-tropical fruits, plants and nuts, also dried fruits, and the nurserymen in the Northwest will bring other interesting fruits of the Northwest, so we expect to make a feature of the exhibits this year.

Have had encouraging reports from some quarters of the east, others have not made much response. We want to see every nurseryman who is in the habit of attending these conventions, and those who are not, make the trip to the coast this year. They should arrive on Saturday, if possible, and take in the Rose Festival, which is well worth a trip across the continent to see.

The entire mezzanine floor of the Multnomah
Continued on Page 173

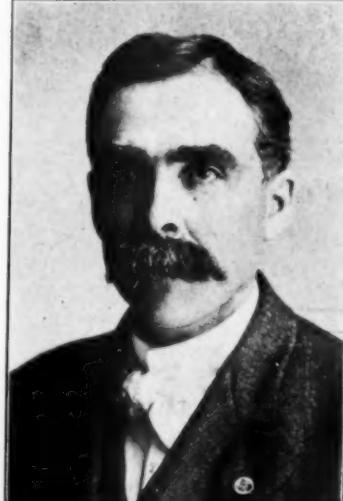
Officers of the Pacific Coast Association



ALBERT BROWNELL, Portland, Ore.
Pres. Pacific Coast Assn. of Nurserymen



M. McDONALD, Orenco, Ore.
Chairman Exec. Committee P. C. A. N.



C. A. TONNESEN, Tacoma, Wash.
Secy. Pacific Coast Assn. Nur.

The Early Fruit Belt of the Northwest

C. F. BREITHAUP, Richland, Wash.

The earliest fruit belt of the Pacific Northwest is probably located in Benton and Franklin Counties centering at Kennewick and Richland, Washington, and comprising a valley up and down the Columbia River about 40 miles each way and not more than 10 miles to 15 miles at its widest place. This little valley was but a few years ago a barren, sand swept plain where the jack-rabbit and coyote held full sway. But with the western movement of man came the master mind who conceived the idea of irrigating a small portion of this barren desert and the results obtained from this were so marvelous that it almost reads like a fairy tale. From this first venture, capital has seen where it was possible to reclaim this acreage and make it the abiding place of man and incidentally gather in a few golden shekels.

There is probably not another area of like size that has gathered to itself so quickly the reputation for being an early fruit section. This section has gone extensively into the fruit business, raising strawberries as the principal crop between the rows; while the trees are coming into bearing. These begin ripening about the first of May and reach their prime in a week, for when two weeks old, every man, woman and child takes himself to the strawberry fields to help gather in the blushing berries. The berries on account of their earliness command fancy prices, bringing at the opening of the season as high as \$15.00 for 24 qt. crate and gradually dropping in price until the end of the season finds them selling at \$2.00 per crate. The 1912 crop averaged bet-

ter than \$2.65. Hundreds of acres are being added each year and yet the supply is inadequate. So much for the strawberry, though planted extensively it by no means monopolizes the whole field. There are many acres planted to asparagus which comes on at the first of the season, commanding the best prices. Another plant that is coming into its own more each year is rhubarb, which grows to perfection. In the bush fruits we have the gooseberry, currant, the raspberry and the blackberry, which find their way to the market very early.

In the tree fruits everything that has been tried out gives the best results that it is possible to obtain. These again are the first to find their way to the fruit counter where they command fancy prices, having practically no competition.

Coolidge Rare Plant Gardens

Nurserymen from the East who visit California after the convention may find in the Coolidge Rare Plant Gardens at Pasadena, something of special interest. In response to queries by an *American Fruits* representative Mr. Coolidge said last month:

"The Coolidge Rare Plant Gardens were organized for the purpose of specializing in plants out of the ordinary. While we have a general stock of all kinds of fruiting and ornamental plants, we believe that we have rare plants, that we have tested and proven very desirable. We have made a specialty of rare fruiting plants among them the Avocado, improperly called Alligator Pear, Feijoa, *Sellowiana*, and *Macadamia Ternifolia*. These three plants possess so much merit that it seems to us no garden is complete without them, and it is a fact that they are engaging the attention of planters from a commercial standpoint.

"Ferns are among our leading features. We have over 100 varieties of evergreen ferns, all of which are suitable for out-of-door planting in Southern California. We also have close to forty varieties of flowering and foliage begonias. Special rockery plants are another line that we are featuring, and have many desirable ones suitable for this artistic work. We have over twenty-five varieties of bamboos and many varieties of ornamental grasses."

Just say you saw it in *AMERICAN FRUITS*.

CHAS. DETRICHÉ, SR.

ANGERS, - FRANCE.
Grower and Exporter of

Fruit Tree Stocks, Forest Tree Seedlings, Rose Stocks, Shrubs, Vines and Conifers for Nursery Planting

Information regarding stock, terms, prices, etc., may be had on application to Mr. Detriché's sole representative for the United States and Canada:

JACKSON & PERKINS CO.
Newark, New York.

BRYANT'S NURSERIES

PRINCETON, ILLINOIS

We Have for Fall of 1913

APPLE TREES—Fine as ever grew and in good assortment

CURRENTS—Two year heavy, mostly Wilder and Pomona

ALTHEAS and HYDRANGEAS—Both tree and bush form

CATALPA, ELM and SOFT MAPLE SEEDLINGS

Our List will tell you all about them.
Prices are low.

ARTHUR BRYANT & SON, Princeton, Illinois

British Columbia's Invitation

By all means you should stop over at such famous resorts as Glacier and Banff, which are among the most scenic spots on the route.

While at Vancouver, if time would permit, a steamer trip up the coast to Prince Rupert, the western terminal of the Grand Trunk, as well to such points as Ketchikan, Wrangell, Juneau and Skagway, Alaska would be fine. Steamers make regular trips to these points during the summer months and it is a trip well worth the time and expense. British Columbia is so large in area; so varied in resources and possibilities; so wonderful in her natural scenic beauties that it is out of the question to do justice to her in mere words, but if any of our eastern brethren of the American Association will take the time to visit some parts of this vast Empire, he will certainly return home feeling well repaid and he will find his Brother Canadian Nurserymen and British Columbians in general a cordial, while-hearted lot of people.

The Call of the South

To prevail upon farmers of the West and Northwest to turn around and look to the Southland before going over into snowbound Canada, and to lure some of the thrifty and energetic homeseekers of northern European countries to the rich and still largely uncultivated lands of the Southern states, are two of the things the Southern agricultural commissioners set out to do at their first session at the Progressive union, New Orleans, early in the spring.

Just say you saw it in *AMERICAN FRUITS*.

PEACH SEED

The Kind that Produces Results

J. VAN LINDLEY NURSERY CO.

Pomona, N. C.

FIRST TIME OFFERED

New Line of Knives, Shears, Etc. for the Nursery Trade

SUPERIOR TO ALL OTHER BRANDS

Here at last is an opportunity to procure strictly High Grade, practical Nurserymen's Knives made by a manufacturer of international reputation. Samples will be sent to responsible parties. Prices always consistent with quality. A trial order will convince you.

If interested, write at once for prices and detailed information

C. E. BROWNE
Glen Saint Mary, Florida

Jacs Smits of Holland Looks Us Over

The Well Known Nurserymen of Naarden Is Pleased With What He Has Seen Throughout the United States, But Says We Do Not Plant Trees Sufficiently In City Streets---Sees Many Trees Which He Supplied Growing In American Cities

JACS Smits, of Naarden, Holland, has been inspecting ornamental planting throughout the United States, having visited most of the principal cities. He is one of the best known nurserymen of Europe and has supplied large quantities of ornamental nursery stock for American cities. On May 6 he was in Pittsburgh and said:

"What Pittsburgh should do is to plant 10,000 trees each year for the next five years at least. If you people knew how beneficial street trees were you would have more and more each year until every street was lined with either Norway maples, Oriental planes or lindens. The parks are called the lungs of the city and what the parks are to the city are the street trees to the streets. The foliage of these trees act as filters for all aerial impurities and when the air is sifted through them you get air, pure air and that's what we all need for good health."

"Yes, Pittsburgh is making rapid strides in the right direction and I am pleased to see so much street tree planting going on, but there is not enough of it. Your city forester, James L. Grimes, is doing good work, but after talking with him I find that he neither has enough trees nor enough workmen. The division of city forestry is as important as your health bureau, and the sooner you realize the sooner will the health of your city show marked improvement."

European cities have studied this question for hundreds of years and in Germany, in particular, will you Pittsburghers see what scientific tree planting on the streets has done.

Pittsburgh Leads Chicago

"I have visited many cities in your country and have just returned from Chicago. I must say that Pittsburgh is ahead of what you call the Windy City, so far as tree planting is concerned. But there is lots of room for improvement. Every new street that is laid out should be turned over to the city forester first. Simply to dig a hole and plant a tree is not tree planting. No, indeed...you want to prepare the ground for the tree. You need fertilizer and plenty of it and good ground too. These must be mixed properly and then the tree with strong roots placed in the bed. This must be done before the streets or sidewalks are laid. When this is done the work of improving the streets can go right ahead and in a few years the street will be lined with beautiful healthy trees."

"Later, when the people on improved streets see how fine looking the trees are on the new street, they, too, will want trees and then when you have a nursery, which should always contain from 50,000 to 60,000 trees, you can supply the demand. With a nursery of this size you will have plenty of

trees to go around, but, of course, you will have to keep replenishing it from time to time. In this way you will get the young trees acclimated to the smoke and dust atmosphere of Pittsburgh and when they begin to assume certain sizes they will be strong and hardy. With a nursery like this you would be able to supply any size tree and replace any broken or dead tree on any of the streets."

Should See Europe's Avenues

"I admire your parks here. They are beautiful and well kept. The trees there are fine and looking well, but I would like to see every one of your streets lined with shade trees. They are not only beautiful, but healthful, and that's the reason you need them. It would be a fine plan if your city would send Mr. Grimes to Europe to see the tree planting there. He would see what we Europeans think of the street tree. He would learn a whole lot that would be helpful to Pittsburgh."

At present there are 6,000 trees in the local nursery and many trees are being planted. Mr. Grimes agrees with Mr. Smits on his theory. He says that he is planting all the trees he can at present and that his appropriation will not enable him to do more.

Just say you saw it in AMERICAN FRUITS.

FRAMINGHAM NURSERIES

WHOLESALE GROWERS

Ornamental Trees, Shrubs, Evergreens, Vines, Etc.

HIGH
GRADE



LARGE
VARIETY

Correspondence Solicited. Price List Upon Request

W. B. WHITTIER & CO.,
FRAMINGHAM, MASS.

Something New in Wood TREE LABELS

Iron or Copper Wire, Printed, Painted or Plain. We furnish the standard size of printed tree labels

PRINTED ON BOTH SIDES

at the same price now paid for those printed on one side. We also have a NEW BLANK LABEL so wired that they cannot drop off. We manufacture Nursery Row Markers, Pointed Labels and Green Tapering Plant Supports.

Our Capacity is such that we Guarantee Prompt Shipments.

Write for samples and prices giving estimate of number wanted

ALLEN-BAILEY TAG CO. INC.
CALEDONIA,
NEW YORK

Seedling and Transplanted Evergreens by the Millions

Arbor Vitae
Austrian Pine
Black Hills Spruce
Colorado Blue Spruce
Concolor
Douglas Spruce
Engleman's Spruce
European Larch

Jack Pine
Norway Spruce
Pinus Ponderosa
Pitch Pine
Red Spruce
Scotch Pine
White Pine
White Spruce

Special Prices on Large Lots and for Reforestation

Also a General Line of Nursery Stock

SHERMAN NURSERY CO.
CHARLES CITY, IOWA

For the Trade

6,000,000 Ash Seedlings, one to four feet.
Two and Three years old

Cottonwood-Buffalo berry-June berry and Am. Wahoo. Collected Stock.

Shrubs and Shade Trees Carloads Lots

—Write For Prices—

Mr. George H. Whiting our President cannot be at Portland but we want your business

WHITING NURSERY CO.

BOX 11

YANKTON, S. DAKOTA

Men of the Hour—"American Fruits" Series



D. J. TIGHE, Billings, Mont.



C. F. BREITHAUP, Richland, Wash.



D. W. COOLIDGE, Pasadena, Cal.

Opinion on Root Gall

A prominent fruit grower, recently discussing the root gall, said: "I think root gall injury has been overdone by some of the entomologists causing injurious laws to be passed which have resulted in the destruction of thousands of good trees by the inspectors. I am not condemning our entomologists, pathologists and other scientific

men laboring in the horticultural line; but we all make mistakes and when a mistake is made by some one who apparently has a theory and is determined to prove it, it seems an expensive mistake for all the others, or at least so many of them, to try to uphold him in this mistake. The country needs these men, the nurseryman needs them and the orchardists needs them and

we have hundreds of good ones in the United States and we expect to keep them and pay them when we pay our taxes; but, because we are doing all this, is not saying we should go wrong just because one or two of them made a mistake; no one is infallible and the sooner we get that in our minds, the better we are off."

Just say you saw it in AMERICAN FRUITS.

The Chase Labels

For Nurserymen and Florists are Excelled by None

**PLAIN, PAINTED, PRINTED in ANY MANNER
that may be called for, and WIRED in any combination with TINNED or COPPER WIRE.**

Prices as low as FIRST-CLASS WORK and unequalled PROMPTNESS in DELIVERY will justify.

Please favor us with a trial order if you are not one of our present patrons

THE BENJAMIN CHASE CO.,

DERRY, NEW HAMPSHIRE

P. O. Address and Western Union Tel.—Derry Village

Fresno Nursery Company, Fresno, Cal.



C. B. HARKNESS, Fresno, Cal.
Vice-president Fresno Nursery Co.

The Fresno Nursery Co., Inc., of Fresno, California, is composed of men well known to the nursery trade all over the United States. F. H. Wilson is president of the Company and is also president of the California Association of Nurserymen and is also on the Legislative Committee of the Pacific Coast Association of Nurserymen.

C. B. Harkness, the vice-president, is known as an expert propagator and superintends the growing department of the firm.

Charles A. Chambers, the secretary, has been identified in the Western Nursery field since 1890 and is recognized as a writer on nursery and fruit growing topics.

This firm takes an active interest in Nursery Conventions and is always represented at the meetings of the different nurserymen's associations.

At least two of the firm will be on deck at the meeting of the Pacific Coast Association of Nurserymen and the American Association of Nurserymen to be held in Portland, Oregon this month.

We present in this issue portraits of Vice-President Harkness and Secretary Chambers and a view in the packing yard of the company. The stock produced includes deciduous and citrus fruit trees and grape vines, White Adriatic, Calimyrna and Black Mission fig, standard ornamentals, palms, roses and vines.



CHARLES A. CHAMBERS, Fresno, Cal.
Secretary Fresno Nursery Co.

States department of agriculture. A species of fruit closely resembling the tropical date, a native of Caucasia in Southern Russia, is among the lot recently received by the local nurseries. It is thought that this fruit will be successful. The nurseries have been given the rights of propagation in this territory.

PACKING YARD SCENE OF THE FRESNO NURSERY CO. Inc. FRESNO, CAL.



Wagons Loaded with trees packed in tufts for shipment all over the West. 42 Men employed in packing yards during season.
Total number of employees average 60 men in all departments throughout the year.

Events in Nursery and Orchard Rows

Special Reports to "American Fruits"

Omaha Supplies Trees—Commissioner Hummel estimates that about 200 trees chiefly elms, will be planted by the city park and boulevard forces along the boulevard and about 100 more in Carter and other parks. Besides these perhaps 500 trees have been given away to people to plant in other parts of the city where the tornado swept or where there is advantage beside boulevards or beside parks, and fifty to Major Hartman to plant about Fort Omaha. All these trees were raised in the city's own nurseries in Fontenelle and Elmwood parks.

Using More Nursery Stock—Owing to the fact that farms in the vicinity of Sunburn, Pa., are ideal in many respects for converting into fruit orchards, P. A. Vought, Mt. Carmel, purchased a 300-acre farm from Peter Vought, near Elysburg. He intends to plant the entire tract with peaches, pears and cherries. Nowhere in this section has an attempt ever been made to grow fruit on such a large scale. What adds to the interest is the advanced methods employed, affecting not only the laying out of the orchard, but also the planting of trees.

Peach Growing in Pennsylvania—Farmers in the southeastern part of Pennsylvania, in recent years more than ever before, are realizing the possibilities of peach growing. Many acres of lands that could easily be classed as "unproductive" have been transformed into tracts that each year have brought increasing revenues to their owners. Within the last five years no less than 35,000 peach trees, of many desirable varieties, have been planted within a radius of five miles of the village of Centre Square, Montgomery County. This year at least 30,000 of these trees will be fruit-producing.

Interplanting With Peaches—Peaches interplanted in groves with olive trees promise big returns to Southern California fruit growers, according to A. B. Miller, president of the Fontana company, who has for some time past been conducting experiments in this interesting culture at the Fontana groves. Mr. Miller is convinced, from his own experience, that a few years hence will see most of Southern California's olive groves interplanted with deciduous fruits.

Destroying Apple Aphis—A prominent nurseryman of Pennsylvania sent two infested apple twigs to State Zoologist H. A. Surface, at Harrisburg, and received the following reply concerning the Apple Aphis, which is a pest that has been one of the very destructive insects in the apple orchards of Eastern America during the past five years: "The specimen of apple twig sent by you is infested with the eggs of the Apple Aphis. I discussed this subject with some care at the recent meeting of the State Horticultural Association, at Harrisburg. There seems to be a general idea that lime-sulphur spraying when dormant does not destroy these eggs, but I have found that they can be killed with the dormant spray if directions are followed. In fact, about a dozen persons at the meeting testified that they had controlled the Apple Aphis by the lime-sulphur spray, while a few others had not done so."

To Propagate Almonds—Due to the fact that there is an annual increase in the demand for the California paper shelled almonds in the Eastern part of the United States, and that an average of more than 1,000,000 pounds of the nuts are imported into the United States per year, the big Oakdale tract of the Conservative Investment Company of Los Angeles, will be used for the propagation of the almond industry. Several large almond orchards in the vicinity of Oakdale have conclusively demonstrated that this section of the State is the most perfectly adapted for the raising of almonds. There are only a few sections in California that are suitable for the cultivation of almonds, due to the spring frosts and the ocean fogs.

100,000 Apple Tree Order—Post & Son, nurserymen at Chelan, Wash., this spring furnished 100,000 Jonathan, Winesap, Rome Beauty and Delicious apple trees to the Lake Chelan Land company. Post & Son are this year setting 40,000 trees each of these varieties for future orders of the Lake Chelan Land company and other companies that desire to purchase. They are also planning a small number of the other leading varieties of apples, making a total setting for the year of 250,000.

Mr. Post went to Chelan six years ago from Yam Hill county, Oregon. He has been a horticulturist, but has been in the nursery business for three years. His son, Asa Post, is a graduate of the Agricultural College of Oregon and is associated with his father in the nursery business.

Nursery Department to Provide Free Nurses—The Ohio nursery department of the state board will send free nurses for apple trees upon request of orchardists. "The state wants to help the fruit raisers," says the chief nursery and orchard inspector, "and the agricultural board will be greatly disappointed if Stark county farmers hesitate about sending in their petitions. To those who apply will be sent trained experts who will go through orchards and point out just what ought to be done in order to improve trees and the crops of fruit."

Large Growing of Citron—California ranchers are urged by John J. Calhoun, treasurer of the National Fruit Products of Boston, to take up citron growing. Calhoun was in California recently for the purpose of discovering citron growers.

"Fruit concerns similar to mine, and there are many in the United States," said Calhoun, "depend almost entirely on Greece for their supply of citron. Tons and tons of citrons are used yearly by bakers, confectioners and candy manufacturers in the United States. There is no doubt in my mind that the Balkan war will greatly interfere with the export of the citron fruit from Greece. Now is the time for California fruit growers to look into the matter and accept this great opportunity."

"California can grow citron as well if not better than Greece. I prefer California-grown fruits. In all my travels in California I have found only one citron grower, and he was in Redlands. We in the East—I mean, of course, fruit men especially—look to California for the great bulk of our supply. We get better results from California fruits as a whole in our business than we do from fruits from other states."

"I think there is an excellent field in California for raising and marketing citron. California practically will have the world for a market for some time, as far as citron is concerned, if her horticulturists take advantage of the war."

Duluth, The Apple City—That's what Secretary Cleveland of the Duluth park board would have. "Why can't we have apple trees here on our streets?" asks Mr. Cleveland. "There is no reason why there shouldn't be apple trees along our boulevards, in the alleys, in the back yards and the front yards and along the side hill. Just think what it would mean to have a place unique in American cities—The Apple City."

Big Michigan Orchard Planned—John E. Reed, vice-president of the Farmers State Bank; M. J. McGuire, manager of the Jackson Hill Coal Company; Carl E. Ward, attorney of the Union Traction Company, La Crosse, Ind.; John L. Morgan, banker of Indianapolis; M. W. Walsh, A. D. Blake and Charles H. Kleist of Wolcott, Ind., and Bert Van Voorist of Monticello are among incorporators of the Lakeside Farm Company, which has purchased 7,500 acres of land in Manistee County, Michigan, proposing to establish an immense orchard.

Louisville Tree Nursery—State tree nurseries, the first in Kentucky, were established this spring at Louisville at a cost of \$1,500. The State Board of Forestry agreed to terms proposed by the State Fair Board for the use of twenty-five acres, adjoining the Fish Hatchery. From this nursery citizens will secure trees at actual cost. The department will plant trees most easily cultivated in Kentucky and that have the greatest commercial use.

North Carolina Progress—Major W. A. Graham, commissioner of agriculture of North Carolina, says six years ago nearly all the first-class apples consumed in this state were imported and that in no market in the state could a carload of apples, properly packed, be purchased. Now, he says, all this is changed, and only a few weeks ago a dozen places were mentioned to an inquirer as to points where such shipments could be procured in this state.

Kansas Orchards Killed—Kansas has lost 60,000 acres of apple trees in the last ten years. Most of this loss has resulted from the cutting down of small five and ten-acre orchards—the "family size, which used to be a part of every average farm until insects and diseases attacked the trees. Then the owner, not knowing how to combat them, or else neglectful of his orcharding, allowed the pests to go unchecked. The orchard then became worthless and was chopped out. But there are better times for family orchards, apparently. Farmers are inclined to give their trees another chance now; to try a year of "college" orcharding before cutting them out.

Russia a Vast Market—Vaclav P. Niemetz, specialist of horticulture in the department of agriculture, Charkow, Russia, has been in the United States several weeks studying orcharding. He officially represented his country at the fifth national apple show at Spokane. "Fancy French apples sell in St. Petersburg and Moscow for two roubles apiece (one dollar)," he said. "American apples are better. A few reach those cities, but not many, and none ever get into the southern portion of the country. Few apples are grown in Russia, but we have no government reports by which to ascertain what the production is. There is an enormous market in Russia for American apples."

Large Tract for Tree Culture—A. T. Moore has sold 6000 acres of land near Red Bluff, Cal., to Floyd and Grant Wallace of Chicago, Ill., who will plant the entire tract to eucalyptus trees. Moore will retain possession of the ranch for a year but will allow the purchasers to have a small portion for nursery purposes so as to have a large number of young trees ready for planting in the spring of 1914. The consideration is reported to be about \$160,000. Floyd and Grant Wallace have purchased the tract for the American Eucalyptus Timber Corporation, an organization of 175 business men with headquarters in Chicago, of which D. L. Killen of Seattle, Wash., is president. Killen owns \$200,000 acres in Cuba. Associated with Killen and Wallace in the enterprise are F. W. Taylor, United States director of agriculture of the Philippine Islands, and others.

To Increase Orchard Service—The many persons who have an opportunity to observe directly the great benefits of the Pennsylvania state orchard inspection and demonstration service, and who have written to State Zoologist Surface requesting personal aid in this work, will be gratified to learn that at present provisions are being made in the state legislature for an increase of this service, through an appropriation proposed under the item on "Pest Suppression and Protection of Trees," which is one of the items in the general budget for the department of agriculture.

Committee Chairmen--American Association of Nurserymen



J. B. PILKINGTON, Portland, Ore.
ARRANGEMENTS



L. A. BERCKMANS, Augusta, Ga.
ENTOMOLOGISTS



FRANK W. POWER, Orenco, Ore.
EXHIBITS



SAMUEL A. MILLER, Milton, Ore.
PROGRAMME



PETER YOUNGERS, Geneva, Neb.
LEGISLATION—WESTERN



IRVING ROUSE, Rochester, N. Y.
TARIFF



CHARLES SIZEMORE, Louisiana, Mo.
TRANSPORTATION



W. P. STARK, Neosho, Mo.
TRADE OPPORTUNITIES



JAMES McHUTCHISON, New York
MEMBERSHIP

Leading Spirits Among Idaho Nurserymen

IF NURSERYMEN from the East were to stop over during the trip through Idaho to Portland, they would find at Caldwell evidence of the success which attends implicit faith in results accompanying persistent effort coupled with experience and wise management; for the Hawkes Investment Company which practically owns the Caldwell Nursery Company, of both of which concerns Charles T. Hawkes is the secretary, has developed a thriving nursery at Lingenfelter, a station on the Boise Interurban railway, four miles from Caldwell, Idaho. With untiring patience the company, under the direction of Mr. Hawkes, has built up a propagating area which supplies nursery stock in great variety for a large territory. The nursery occupies a tract of eighty acres which includes land for expansion. Marked success has attended the plan of growing alfalfa and grain on land from which trees have been taken, thus renewing the energies of the soil for replanting to trees. All the land is utilized and still is kept in a high state of productivity. The nursery is regarded as the most complete, as to varieties of stock, in the state.

In conversation with a representative of *American Fruits*, Mr. Hawkes said he did



CHARLES T. HAWKES
Caldwell, Ida.

not understand why anyone should be particularly interested in the Caldwell plant, as it is not large. Neither is Mr. Hawkes. He is small in stature and it is perhaps for that reason that the "boys" have picked on him, for he holds many titles. In addition to being secretary and manager of the Caldwell Nursery Company he is secretary of the Hawkes Investment Company, has been president of the Idaho State Nurserymen's Association and is vice-president for Idaho of the Pacific Coast Association of Nurserymen. A. S. Hawkes is president and W. S. Hawkes is vice-president and treasurer of the Hawkes Investment Company which also has nurseries and orchards at Roswell and Council. The company is capitalized at \$25,000.

the family hearthstone, the book has this to say:

"The eggs are deposited singly, mostly along the ribs of the leaves, and are globular and bright red in color. From a little mast, sticking up from the top of the eggs, guy threads run to the leaf surface, probably to anchor the eggs more firmly."

This spider looks, in the enlargement from a microscopic slide, says a Los Angeles Times man, like a cross between a horse-shoe crab and a plague flea.

The vegetable nuisances, whose reputation for probity and elevation of purpose is assailed, are Johnson grass, which must be cut off in the flower of its youth well below the ground; Canada and Russian thistles, as good for donkey delectation here as anywhere; the love vine or dodder, which kills by twining itself about the object of its affection, and various others.

It is not specifically recommended that the cockle burr be avoided as a seat, but many things as unkind are said about it. The Horticultural Commission has planned to spread useful information; but it apparently is in wrong with a lot of weeds and bugs that threaten to come back from the dump-heaps to haunt its dreams.

Twenty of the largest growers of apples in the Roswell section of the Pecos Valley, New Mexico, have incorporated a fruit growers association.

THE COMPANY WE KEEP

A glance at the advertising columns of American Fruits shows at once the company we keep. The leading nursery concerns of the United States are there represented, and we are proud to say that some of the greatest in Europe are also included. The high character of the magazine is thus attested.

We can make room for others who measure up to the standard required. Nearly every month there are applicants for admission to these columns who are refused. If your business is in every way honorable you will be welcomed.

SCARFF'S PLANTS
Equal to Any
on the Market

Small Fruit Plants our specialty for 26 years

100,000 Transplanted Raspberry, Blackberry and Dewberry plants, fine for critical trade.

Currants, Gooseberries, Grapes, Horseradish, Asparagus, Rhubarb, etc. Hardwood cuttings and layers in large quantities. See our wholesale list before placing your order.

W. N. SCARFF, New Carlisle, O.

NOTICE

To all American Nurserymen and Seedsmen desiring to keep in touch with commercial horticulture in England and the continent of Europe. Your best means of doing this is to take in the

HORTICULTURAL ADVERTISER

Our circulation covers the whole trade in Great Britain and the cream of the European firms. Impartial reports of all novelties, etc. Paper free on receipt of 75 cents, covering cost of postage yearly. As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trade.

Established 1883

A. & C. PEARSON, Lowdham, Nottingham, Eng.

36th YEAR

PAN HANDLE NURSERIES

FALL OF 1913

We offer a Complete Line of Nursery Stock Consisting of

Apple, Pear, Plum, Cherry, Peach, Grape, Currant, Gooseberry, Small Fruits, Maple Norway, Maple Schwedlerii, Maple Silver, Poplar Carolina, Poplar Volga, Elm American, Sycamore Oriental, Sycamore American, Mountain Ash, Box Alder, Althea, Hydrangea, Barberries, Syringas, Weigelia, Clematis, Honey Suckle, Wistaria, Ampelopsis, Roses, Evergreens, California Privet, Buxus, Weeping Trees, Catalpa Speciosa Seedlings, Black Locust Seedlings, Fruit Tree Stocks, Catalpa Speciosa Seed

Our stock is well grown and graded and prices are such that it will pay you to investigate. Come and see us or write.

J. K. HENBY & SON
Greenfield, Ind.

FOREST TREES

H. H. PEIN, Halstenbek, Germany

Established 1847

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AUGUST RÖLKER & SONS, NEW YORK

P. O. Box 782, or 31 Barclay Street

Florida Horticulturists In Annual Session

THE TWENTY-SIXTH annual meeting of the Florida Horticultural Society was held at De Land, April 29-May 2, under the direction of President Harold H. Hume of the Glen Saint Mary nurseries, who discussed the remarkable development to follow the opening of the Panama canal and the necessity for guarding against the importation of injurious insects, particularly those affecting citrus fruits.

Following the report of the legislative committee by the chairman, M. E. Gillett, of Tampa, the committee on president's address reported requesting the printing of this address for distribution, and that the society endorse bill No. 218 and urge its passage. They also suggested that the address be sent to members of the national house of representatives, and that body be urged to pass the bill introduced by Senator Bryan, of Florida, for the protection of east states against encroachments of foreign crop pests. The report of this committee was adopted unanimously.

Topics Discussed

The program included discussions on the following important topics:

Pineapples, Mrs. P. H. Rolfs; W. R. Hardee, Jensen; G. A. Saeger, Ankona.

Tropical Fruits, E. N. Reasoner, Oneoc; L. H. Gurney, Merritt; C. G. White, Haiku, Maui Island, Hawaii; Dr. John Gifford, Coconut Grove.

Nuts, H. K. Miller, Monticello; J. B. Curtis, Orange Heights; F. P. Henderson, Gainesville; H. S. Graves, Gainesville.

C. M. Griffing of Jacksonville, representing the committee on deciduous fruits, read a carefully prepared paper which contained much valuable information concerning these fruits, their selection and cultivation. Virgin soil for peaches or the use of Canada



SCENE IN BUCKEYE NURSERIES, TAMPA, FLA.
Seed Bed Where Citrus Seedlings are Propagated

ashes on non-virgin soil, the planting of wild plums here and there throughout the plum orchard for additional pollen fertilization, the use of carbolineum for flathead borer in persimmons were among the valuable points given.

Nurserymen Voted \$100

President Hume announced a committee on final resolutions, Messrs. Glass, Moses and Bergen. He also, according to instructions from the house, associated with himself Messrs. Gaitskill and Skinner as a delegation to go to Tallahassee and work for the passage of the fruit pest bill. At this time it was announced that the nurserymen in a special meeting the evening before voted \$100 to the horticultural society to help defray expenses of these men to Tallahassee. In addition they authorized C. T. Barber to accompany the above mentioned delegation, obligating themselves to defray his expenses also.

Secretary Painter reported that the meeting in Miami raised the membership beyond anything yet achieved, and the end of the year finds an enrollment of 1,003, but that the enrollment at De Land has gone beyond any previous meeting. In making his financial report Mr. Painter suggested that Mr. Skinner be reimbursed by the society, the \$80 expense of his trip to Washington. A little later when an effort was made to raise \$400, Mr. Skinner headed the list with the \$80 in question and an additional \$20. Others responded generously and the amount was raised.

The society after prolonged debate, by a vote of nearly two-thirds, adopted the acid test of 1.30 for oranges and 1.75 for grapefruit.

Officers were elected as follows: H. Harold Hume, of Glen St. Mary, president; H. B. Stevens, of DeLand, W. C. Temple, of Tampa, L. B. Skinner, of Dunedin, vice-presi-

dents; E. O. Painter, of Jacksonville, secretary; W. S. Hart, of Hawks Park, treasurer. Executive committee: P. H. Rolfs, Gainesville, E. S. Hubbard, Federal Point, G. L. Tabor, Glen St. Mary.

Palatka secured the next convention in 1914, over Arcadia and Gainesville.

A Directory of the Nursery Trade, revised monthly—"American Fruits Magazine." Is it on your desk?

KNOX NURSERIES Cherry Trees

One and two years old. The best the market affords

H. M. Simpson & Sons
VINCENNES, IND.

Established 1866

W. T. HOOD & CO.

"Old Dominion Nurseries"

RICHMOND, VA.

Growers or a General Line of

High Grade Nursery Stock

Offer for PALL 1913 Peach, Pear, Cherry, Plum, California Privet and 2 year, extra fine. Send us your list for quotations.



NURSEY MEN

WE INVITE YOU TO VISIT OUR NURSERY WHILE AT THE

CONVENTION

WE HAVE A LARGE BLOCK OF

Two Year Old Apple Trees

IN ALL LEADING VARIETIES

ALSO PEAR, PLUMS, CHERRIES, ETC AND COMPLETE STOCK OF YEARLINGS

WAIT until you see US before ordering for 1913-1914

If unable to attend the Convention, Send list of your wants

OREGON NURSERY CO.

ORENCO, OREGON

American Association Programme

Continued from Page 154

This is considered one of the finest scenic trips in the United States.

SECRETARY'S BULLETIN.

Important Suggestions.

The Secretary expects to be in his office at the Hotel Multnomah, immediately after the arrival of the "Rochester Special," at 10:35 Tuesday evening, June 17th.

Each member must register at once on arrival and receive his Badge. Don't leave your Badge Book at home.

Those desiring to join the American Association should see the Secretary or his assistant. Membership fee is \$5, including Badge Book of ... pages and Souvenir Badge.

Address letters for the Secretary, between June 9th and 14th, only, care Hotel Multnomah.

Before leaving home leave plain instruc-

tions as to how you may be communicated with.

MEMBERS' BADGE.

This souvenir Badge is being prepared by the Pacific brethren, and will be given to members after they have registered. Members not at the Convention will receive their badges by mail later.

Usual Exhibits at Portland

Continued from Page 164

man Hotel, which covers an entire block, will be turned over for the benefit of the nurserymen. This covers two large convention rooms, rest rooms for the ladies, etc. J. B. Pilkington, chairman of the Committee on Arrangements, is making ample provision for the entertainment of the nurserymen. A fine program is being prepared by S. A. Miller, of Milton, and M. McDonald, of Orenco, Ore. Do all you can to secure a

good delegation. By clubbing together, you ought to be able to secure a special train so as to avoid delay.

FRANK W. POWER,
Chairman Exhibit Committee,
Orenco, Ore.

FOR SALE

Having an orchard and fruit farm at Bayfield Wis., I wish to dispose of my Nursery at Yankton that I may give all my time to developing my interests on the Lake Shore. Have an Established Wholesale and Retail Catalogue business including 200 acres of land. Will sell all or a part interest with good terms to reliable person. Write for full particulars if interested.

GEORGE H. WHITING, Pres.

WHITING NURSERY CO.

YANKTON

S. D.

Just say you saw it in AMERICAN FRUITS.



PLANTING STOCK OF
Forest Trees and Evergreens
Roses on Canina, etc. etc.

FROM
FOCKO BOHLEN, HALSTENBEK, GERMANY
Are Second to None

THE HORTICULTURAL COMPANY,
WORCESTER, MASS., Sole Agents
To whom all correspondence should be addressed

West Virginia Nursery Law Requirements

Editor American Fruits:

The state of West Virginia, during the last session of its legislature, enacted a new law, regulating shipments of nursery stock to West Virginia from other states, and the substance of their requirements is as follows:

First.—A registration certificate must be obtained from the state auditor at Wheeling, W. Va. Fee for this certificate is \$5, and the amount must accompany the application. On receipt of this certificate or license, the employer is authorized to furnish each of his agents a duplicate of the certificate. These duplicates can be made by the employer in his office.

Second.—Permit tags must be attached to each and every bundle, bale or box of nursery stock shipped into the state. These permit tags can be obtained by addressing the state entomologist at Morgantown, W. Va., at the following prices, postpaid:

\$1.00 per 100 tags.
\$2.00 per 500 tags.
\$3.50 per 1000 tags.

Check must accompany the order for the tags.

Third.—In addition to the permit tag furnished by the state entomologist, each and every bundle, bale or box shipped into the state must have attached a copy of the inspection certificate of the state from whence the shipment originated.

This seems to be a fair and reasonable law, except as to the matter of license fee. It is an open question whether such a requirement is constitutional, but the amount involved is not large, and it is doubtful whether the Association would be warranted in contesting the law.

WM. PITKIN, Chairman
A. A. N. Committee on Legislation.
Rochester, N. Y., May 21, 1913.

We Offer for Fall 1913

Apple Seedlings
Japan and French
Pear Seedlings
Catalpa Speciosa and Honey
Locust Seedlings
Apple Trees, one and two
years
Kieffer and Garber Pear,
one and two years
Gooseberries, Rhubarb,
Shade Trees,
Flowering Shrubs, Vines

J. H. SKINNER & CO.
NORTH TOPEKA
KAN.

PEACH SEED

WE have a few hundred bushels of small North Carolina Naturals, collected in the mountains and foothills, crop of 1912.

AMOOR RIVER PRIVET. 12 to 18 and 18 to 24 inch, in quantity. Thunbergii Barberry and California Privet, all sizes.

VALDESIAN NURSERIES, Bostic, N. C.

We Offer for Fall 1913

NORWAY MAPLE
SILVER MAPLE
CAROLINA POPLAR

THE GREENBRIER NURSERY CO., Inc., Greenbrier, Tenn.

Crown Gall in New York State

Commissioner Huson of the New York State Department of Agriculture sent the following letter under date of April 29, 1913, to E. H. Graves, Lee's Summit, Mo.:

"I have just received a copy of your circular letter of March 6, 1913, in which you state as follows:

"I have at Geneva, New York, the following list of apple trees, graded out of a block of 200,000 trees, and set aside by themselves, because they are slightly affected with crown gall of a mild form.

"These trees are of good confirmation with splendid top growth. I will offer these trees in trench f. o. b. cars in bulk at Geneva, New York, etc."

"I write now to call your attention to the fact that trees infected with crown gall will not be permitted to be planted in the State of New York. Crown gall is believed to be an infectious disease deleterious to the trees and the fact that they are slightly affected or that planters may be willing to use them shall not be considered an excuse for planters to use such trees. I am confirmed in this action, furthermore because of the fact that the nurserymen of this state do not regard such trees affected by crown gall as merchantable."

Samuel D. Willard

Samuel D. Willard, prominent nurseryman and fruitgrower and former state fair commissioner, former postmaster and former school trustee, died May 23 at the family home, Geneva, N. Y., aged 78 years. He had been in declining health for several months. Mr. Willard long was prominent in republican political circles and was well known in fruitgrowing and agricultural circles throughout the state. In 1869 he entered the nursery business as junior partner in the firm of Graves, Selover & Willard. From the nursery business he went into the fruit growing industry specializing in plums until he became recognized throughout the state as an authority on the fruit. In 1897 he was co-author with Dr. L. H. Bailey, of Cornell university of a bulletin on plums.

"The apples of New York" is soon to be republished by New York State and will be sold at \$2 a set of two volumes.

64th Year

Baltimore Nurseries

FRANKLIN DAVIS NURSERY CO.

BALTIMORE, MD.

We offer for Fall 1913 and Spring 1914

High Grade Stock

General Line—Peach, Apple, Pear, Cherry, Plum, California Privet, in 1 and 2 yr., fine stock
Oriental Planes, Norway Maples, American Elms, Silver Maples, Horse Chestnuts, etc.

Will make prices right on Peach and Privet in carload lots for early orders

Send us your list of wants

Personal

On May 17th Winifred Rolker of August Rolker & Sons, New York, started for Europe by S. S. Zealand, on an annual business trip, covering the important nursery centers of Europe; he expects to return to the United States by about the end of July.

Norbert Levavasseur, member of the well-known long established nursery firm of Levavasseur & Fils, of Ussy and Orleans, France, will visit the United States with his wife, leaving Havre about May 31st and will go to Portland, Ore., to attend the nurserymen's convention. It is with a keen sense of delight that Mr. Levavasseur is looking forward to meeting again his many friends among the nurserymen, after some years of absence. Mr. Levavasseur occupies a prominent position among his own country people, being mayor of Ussy; an active representative delegate of his district; a member of the Legion of Honor, etc.

J. McHutchison, New York city, of McHutchison & Co., importers, started May 7 on a six weeks' trip to the Pacific coast, which will include the Portland convention.

Willard Smith is manager of the Panama Nursery Co., a new concern at Concord, Cal.

An application by defendant for a new trial in the case of W. C. Reed, Vincennes, Ind., vs. F. L. Rounseville, Colorado nursery inspector, which has been under consideration three months, has been denied. The Reed verdict stands.

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The kind that gives satisfaction
Can be supplied either plain or
printed, with Iron or Copper wire
attached in any quantity.

Our facilities for handling your
requisite are unexcelled.

Samples and prices are at the
command of a communication
from you.

DAYTON FRUIT TREE LABEL CO.

DAYTON, OHIO.

RARE CHANCE TO LEASE. For term of years with option to buy, old established nursery business in central Mississippi valley. Can give possession at once. Applicant should have some money or credit to operate business. Full particulars on request.

Address L, care this magazine

R. B. GRIFFITH, FREDONIA, N. Y.

Successor to Foster & Griffith

GROWER OF GRAPEVINES, CURRENTS, GOOSEBERRIES and RASPBERRIES. Just the best for wholesale and retail trade, and grown in the very best locality for root growing in the world.

Manetti, Hardy Rhododendrons, Fruit Stocks, Ornamentals, Evergreens, Shrubs, Trees, Roses, Boxwood, Baytrees, etc.

Write for lists to:

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31 Barclay St. P. O. Box 762
NEW YORK

Foreign Nurseries—"American Fruits" Series

An American Nurseryman in England — GEORGE C. ROEDING, Fresno, Cal.

MY VISIT to England was practically confined to London and from there I made side trips to Sawbridgeworth, Woken, Windlesham, Lowdham and Maidstone. I fully intended to go to Scotland and Ireland, but it rained so incessantly that I gave these trips up. I was very much surprised to find so many extensive nurseries in England, many of the leading firms having hundreds of acres devoted to a most complete assortment of ornamentals, roses, etc. The climatic conditions are so favorable in the southern part of England that many of our more tender plants seemed to go through the winters without being given any protection. It is no unusual sight to see fig trees growing in the open, but the figs do not ripen well, the cool rainy weather retarding their development.

The English people have a natural predilection for outdoor life and the great pride they take in maintaining the grounds surrounding their homes, in not only villages where the space is limited, but also on the country estates as well, is significant of their love for the beautiful things of nature. A trip on the Thames from Hampton Court to London on a bright Sunday afternoon lined on both sides for miles with beautiful villas and often a house boat with its array of baskets and window boxes filled with flowering pots, gives an insight into the great love which the English people have for the gifts of nature.

England's Famous Parks

London and its environs are so replete with treasures in art, museums, picturesque castles and magnificent and well cared for parks, that one becomes almost bewildered in determining what they shall see within the time at their disposal. Such famous parks as Hyde Park; Regent's Park, Kensington Gardens are filled with specimen trees and immense stretches of lawns. Hampton Court by rail thirteen miles from London, is a great sight with its variety of plant life, its noble trees, lily ponds, beautifully blended flower beds which in connection with the art treasures of the Palace, cause it to be favorite resort on days when the weather will permit your rambling around and drinking in to your heart's content, the many beautiful effects which have been secured by blending trees, plants and shrubs together.

Kew Gardens

I almost forgot to mention Kew Gardens.

This, as you are well aware, is recognized as being one of the finest parks of its kind in the world. I must concede that its attractions from a horticultural standpoint are deserving of every praise, and that the conservatories and greenhouses which are scattered over the grounds are filled with valuable collections of well cared for plants from every part of the world. I was there on a Sunday when the weather was delightful and it was simply crowded with people from London, who were walking over the grass swards and wandering around as their inclinations directed them, with no signs to stare them in the face, "Keep off the grass." I was somewhat disappointed in the tendency to plant trees in straight lines which mars the beauty of the grounds in places, and I also noticed in the conservatories that the palms and many other plants were becoming overgrown. The natural inference when speaking of this place as a garden is that it is confined to a small area. The fact of the matter is it covers almost three hundred acres, and is so filled with treasures in plant life that a day's visit only gives a passing insight of its remarkable array of horticultural novelties from all parts of the world.

Nursery Imports and Exports

Plants, trees, shrubs and vines imported into the United States during the year ended June 30, 1912, free and dutiable were valued at: Free, \$28,804.25; dutiable, \$2,969,405.26; a total of \$2,998,209.51. The duties imposed amounted to \$612,750.75, of which \$142,157.94 was on lily of the valley pips, tulips, narcissus, begonia and gloxinia bulbs at \$1 a thousand, and \$208,261.33 was on trees, plants, shrubs and vines commonly known as nursery or greenhouse stock, at 25 per cent. ad valorem.

Exportation of nursery stock by districts and valuations was as follows: Atlantic coast, \$94,426; gulf coast, \$17,459; Mexican border, \$25,408; Pacific coast, \$61,622; northern border, \$214,340. Exports from New York city were valued at \$83,162; from Boston, \$2,052; from Key West, \$14,995; from Corpus Christi, Tex., \$14,428; from Puget Sound, Wash., \$54,384; from San Francisco, \$4,819; from Champlain, N. Y., \$12,888; from Detroit, \$21,696; from Mephemagog, Vt., \$10,071; from Minnesota, \$101,494; from Niagara, N. Y., \$39,134; from North and South Dakota, \$8,813; from Os-

wegatchie, N. Y., \$4,654; from Vermont, \$7,867.

Main divisions to which nursery stock from the United States was exported, and the value of the exportations for the years named are:

	1909	1910	1911	1912
Europe	64,505	67,968	55,697	71,196
N. America...	246,828	236,521	273,333	326,956
S. America...	1,653	4,430	4,077	9,750
Asia	3,235	2,869	3,611	3,951
Oceanica	650	11,198	1,002	1,225
Africa	956	1,150	268	177

During the year ended June 30, 1912, the exportations to the Netherlands, of nursery stock, were valued at \$20,264; to England, \$26,432; to Canada, \$273,885; to Mexico, \$27,476; to Cuba, \$17,011; to Japan, \$2,787; to Germany, \$11,948; Australia and Tasmania, \$423.

In 1910 exportations of nursery stock to Australia and Tasmania were valued at \$10,942; to Germany, \$14,341; to Mexico, \$42,732; to Cuba, \$30,723. Comparison of these figures with those for 1912 show marked falling off in exports to these countries.

Incorporations

The Forest Nursery & Seed Co., at Irving College, has been incorporated, with a capital stock of \$5000. The incorporators are Messrs. J. H. H. Boyd, F. C. Boyd, J. R. Boyd, A. P. Hill, P. N. Moffit, I. H. Hillis, E. R. Martin and George Wagner.

Waynesboro, Va., Orchard Co.: \$100,000; R. G. Vance, president; Charles D. Drayton, Washington, D. C., first vice-president; Theron D. Brewster, Ottawa, Illinois, second vice-president; A. S. Loiscaux, Towson, secretary.

A charter has been issued to the Iriona Fruit Company of Seattle, capitalized at \$1,000,000. Among those interested are F. W. Wheeler and J. I. Miller.

German & Peebles, of Blue Point, N. Y., horticulture and agriculture; \$10,000; Jacob German, Jr., John G. Peebles, Harold G. Nelson, 772 St. Nicholas Avenue, New York.

American Fruits The Nursery Trade Journal

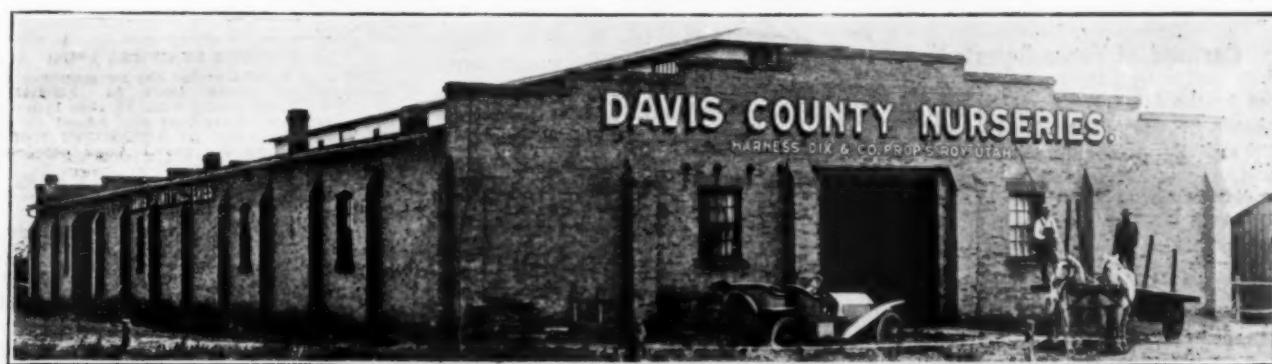
Nurseries, Arboriculture,
Commercial Horticulture

Bristling with unique and exclusive features,
Every issue a special number. Only national
publication. The Practical Horticulturist's Newspaper.

\$1.50 a year; Canada, foreign, \$2.00.

AMERICAN FRUITS PUBLISHING CO., Inc.
Ellwanger & Barry Bldg., Rochester, N. Y.

PACKING HOUSE OF DAVIS COUNTY NURSERIES, ROY, UTAH



The Round Table—In Common Council

Portland Convention Date

Editor American Fruits:

Allow us to correct a seeming error which has crept into the eastern journals regarding the date of the opening of the joint convention of the American and Pacific Coast Association of Nurserymen.

This convention will open at ten o'clock on the morning of June 17th, in the Multnomah Hotel, Portland.

In several eastern despatches which have recently come before us, it has been noticed that the dates have been given as the 18, 19 and 20th when in fact the correct dates are 17, 18, 19 and 20th.

All nurserymen planning to attend this convention should reach Portland not later than the morning of the 18th, and if possible, should be here earlier. The great Rose Carnival takes place in Portland during the week just previous. Nurserymen should make their plans to see the greatest display of roses that can be seen anywhere in America.

No nurseryman should miss the opening meeting of this convention, as there will be matters of great importance to all nurserymen presented from the opening hour until its close.

M. McDONALD,

Chairman Executive Committee,
Oreco, Ore., April 24, 1913.

N. Dakota Prospects Good

Editor American Fruits:

Owing to the crop failures in the western part of North Dakota in 1910 and 1911, the demand for nursery stock has been limited, but the past season's sales were very encouraging and the prospects were never better for a good business than at the present time. The farmers in this state are gradually learning that by employing dry-farming methods they can raise apples just as well as grove trees, and the next two years will find a great shortage of apples and plums in North Dakota, as the demand will be much greater than the supply.

NORTH DAKOTA NURSERY CO.

M. J. George.

Flasher, N. D., April 28, 1913.

Parcel Post Stamps

Editor American Fruits:

We agree with L. J. Bryant & Son about the size of parcel stamps. We wrote also about the color and are assured that both size and color will have attention. They ought to have near the same color as their same denomination in common stamps.

F. T. RAMSEY & SON.

Austin, Tex., May 8, 1913.

Carload of Trees Donated

A carload of fruit trees was last month donated by the Stark Brothers Nurseries and Orchards Co., Louisiana, Mo., to the school board and other public organizations of Mexico, Mo., to be planted on public property. The distribution of the trees was under the direction of the Mexico Commercial club.

JUST SAY YOU SAW IT IN AMERICAN FRUITS.

Tariff Changes Effected

Editor American Fruits:

We are immensely pleased to be able to advise you that all of the following amendments to Tariff Bill H. R. No. 3321 have been adopted by United States Congress in response to our demand for a Tariff free from the errors and ambiguities in former Tariffs.

1. Page 53, line 11, Section 215, the words "and all other decorative or greenhouse plants" are omitted. This will make Orchids, Palms, Azaleas and cut flowers dutiable at 25% ad valorem, and all other greenhouse or nursery stock not otherwise stated at 15% ad valorem under Section 216. It will avoid disputes as to what is greenhouse stock or nursery stock.

2. Page 53, line 14, section 215, the word "bulbs" is added after Hyacinths. This changes "Hyacinth clumps" to Hyacinth bulbs, dutiable at \$2.50 per 1000 bulbs.

3. Page 53, line 16, Section 215, the word "herbacetus" is prefixed to Paeony. Some Paeonies as Paeony Mountain are grafted shrubs and not bulbs and are dutiable at 15% ad valorem under Section 216 instead of \$10.00 per 1000 under Section 215.

4. Page 53, line 18, Section 215, changed so as to read "all other roots, rootstocks, corms and tubers." This will aid in exact classification and avoid expensive disputes.

5. Page 53, line 22, Section 216, the words "Rosa Rugosa, are added after Multiflora. This is a most important change, it makes Rosa Rugosa Seedlings 3 years old or less dutiable at \$1.00 per 1000 unquestionably. The Government cannot say now collect duty of \$40.00 per 1000 as Roses on Rosa Rugosa Seedlings are sold at \$3.00 per 1000 as under former Tariffs. This will save honest importers much expensive litigation and will largely prevent fraudulent entries of budded Roses as briar Roses.

6. Page 122, line 6, Section 600, the word "Coniferous" is prefixed to Evergreen Seedlings and the words "4 years old or less" are added. This correction is of inestimable value to the Government and honest importers, it should prevent Boxwood, Bay Trees, Rhododendrons, Koster Blue Spruce, Kalmias, etc., being brought in free by reason of fraudulent entries as Evergreen Seedlings, it will also make large Evergreens 5 years old or more dutiable at 15% ad valorem under Section 216.

These amendments correct and simplify the Tariff immensely as applied to Horticultural imports. It will make it much easier for the Customs officials to detect and correct fraudulent entries, it should avoid expense to honest importers now that "Evergreen Seedlings," "Briar Roses," etc., are defined, and it will largely prevent the confusion and abuses which have arisen under former Tariffs owing to incorrect varying Treasury decisions handed down at different ports of entry on the one item. These amendments do not change the rates of duty on proposed Tariff in any way, to have recommended them would have meant the defeat of our important demands—a Tariff free from errors and ambiguities.

Let us take this opportunity of thanking you, the Government officials, Congressmen, and the numerous friends in the trade who have helped and supported us in this campaign, the benefits of which are obvious to every Florist, Nurseryman and Seedman in the United States who either directly or indirectly handles imported stock.

McHUTCHISON & CO.

New York, May 5, 1913.

Sales Conditions in Illinois

Editor American Fruits:

Sales conditions this spring have been fairly satisfactory. We are well cleaned up on Peach and Plum, have very little surplus in Cherry and Pear, but have a considerable surplus in Apple. We also have a heavy surplus in forest seedlings and light surplus in Raspberry and Grape.

In Ornamentals we are pretty well cleaned up on things we were anxious to move. Of course we could still spare several car loads of these and about a carload of Evergreens. Still our blocks have been thinned down to where they can do well the coming year. This was all we were anxious to dispose of. On the whole the season's business has been satisfactory, perhaps more so than usual.

We were in the spring storm belt and work was terribly retarded for over two weeks. To make the matter worse an epidemic of "mumps" among our help, including foreman and almost half our force, completely tied us up for three weeks. Had it not been for these handicaps, our business would far have exceeded any previous season.

Prospects for next season's business are brighter than they have been for years in most lines. Apple promises to be dull and hard to move. Ornamentals are more in demand and at better prices than ever before. The forest seed crop now seems as though it would be an exceptionally light one.

HOPEDALE NURSERIES

Hopedale, Ill., May 2, 1913.

TRADE INFORMATION

Under this heading will appear requests for information of special interest to the Nursery Trade. Members of the trade desiring information regarding persons or things, which they have difficulty in obtaining, may address an inquiry to the Editor of "American Fruits." The inquiry will be bulletined here, so that any of our readers having the desired information may send it to us, for transmission to the inquirer. All such communications will be treated as confidential. The object is mutual benefit. If you can answer a query appearing in this column, it will aid a comrade. You may be the very next to want similar information.

Information is wanted concerning the location of Walter J. Keller.

Can anyone give the names of the persons constituting the Horticultural Sales Company, Sterretts, Ala.? Letters sent to that address are not answered. Under that company name advertisements have appeared offering a catalogue of tree seeds, and some literature has been sent out.

A POINTER IN EVERY ITEM

There is a pointer for the progressive nurseryman in every item in AMERICAN FRUITS. Read every item in this issue and then decide whether you can afford to miss the regular perusal of AMERICAN FRUITS every month in the year. Your competitor is busy.

SPECIAL OFFER

PICEA PUNGENS GLAUCA KOSTER

True grafted stock in sizes 2-1/2 to 3 ft.

3-4 ft. and 4-6 ft.

MOST REASONABLE OFFER: MUST SELL

DELIVERY FALL 1913—SPRING 1914

KALLEN & LUNNEMANN, BOSKOOP, HOLLAND

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Care Maltus & Ware, 14 Stone St., New York

BERRY PLANT NURSERY
WICK HATHAWAY, DEPT. 5 MADISON, OHIO
All the leading varieties of Blackberry, Strawberry and Raspberry Plants, including Golden Queen
Herbert St. Regis. FOR FALL and SPRING 1913-14
ORDER EARLY

Heikes-Huntsville-Trees

HUNTSVILLE WHOLESALE NURSERIES



Huntsville, Ala.

For the Fall Trade of 1913
We offer

Apples, Pears, Plums, Cherries,
Peaches, Roses, Pecans, and
Magnolia Grandifolia

In Large Quantities as Usual

See Our Price List for Particulars.

Address, HUNTSVILLE WHOLESALE NURSERIES,
Huntsville, Ala.

Vincennes Nurseries

W. C. REED, Prop.

Vincennes, Ind.

We Are Pleased to Offer for Fall 1913

CHERRY TWO YEAR, all leading sour varieties
CHERRY ONE YEAR, general list leading sorts, sour and sweet
PEACH ONE YEAR, 30 varieties
APPLE TWO YEAR, all grades
APPLE ONE YEAR, cut backs, very strong
SILVER MAPLE, all grades

Can furnish the above in Car Load lots or less. Also Pear,
Plum, Quince, Compass Cherry, Currants, Gooseberry,
Catalpa Speciosa and Ornamentals in good assortment.

Please submit List of Wants for Prices
Personal Inspection Invited.

The Willadean Nurseries

OFFER A VERY COMPLETE LIST OF
Ornamental Trees, Shrubs, Evergreens, Vines and Herbaceous Plants
A LIMITED STOCK OF
FOREST TREE SEEDLINGS

and would advise placing orders early for seedlings. Forest Tree Seeds in limited supply. Prices quoted on application.
Trade list ready.

THE DONALDSON CO.
Sparta, Kentucky

"Everything for the Nurseryman"

COLORED PLATES--All Kinds
Plate Books, Folios, Maps, Cards
Printed Forms, Circulars and
PROMPT SERVICE

ROCHESTER LITHOGRAPHING CO.
22 Elizabeth St., Rochester, N. Y.

We offer the Trade in stock that is strictly first class, for season's shipment:

APPLE: 1 in. up, 3-4-1 in., 5-8-3-4 in., and smaller grades.
Long on commercial sorts.

CHERRY: 1 in. up, 3-4-1 in., and all smaller grades. Specially attractive proposition on Cherry in car lots.

PEACH: 1 year and June buds.

PEAR: Long on Kieffer and Garber, all grades.

FIGS, JAPAN PERSIMMON, MULBERRY, GRAPE, EVERGREENS, SHADE TREES, CALIFORNIA PRIVET

Your want list will be appreciated

WAXAHACHIE NURSERY COMPANY,

J. R. MAYHEW, Pres.

WAXAHACHIE, TEXAS

Franklin Davis Nursery Co.,

BALTIMORE, MD.

WE Offer for FALL 1913

APPLE—1 and 2 year
PEACH—A fine lot of smooth trees in good assortment of varieties
CHERRY—1 and 2 year

PEAR—1 and 2 year
ASPARAGUS—1 and 2 year
CALIFORNIA PRIVET—1, 2 and 3 year, or carload lots; fine bushy plants

ORIENTAL PLANES, CAROLINA POPLARS, NORWAY MAPLES, SILVER MAPLES.
AMERICAN ELMS AND A GENERAL ASSORTMENT OF ORIENTAL STOCK.

SEND IN A LIST OF YOUR WANTS

WANTS

We want small Evergreens and Shrubs for transplanting—
What can you offer?

The Best Tree Digger on Earth



Write for Descriptive Circular and Prices

STARK BROS.

Nurseries and Orchards Companies

LOUISIANA MO.

"The Trees that Grow the Fruit that Sells"

are the trees that are grown **right** from the day the stocks are budded. Every tree that comes from Harrison's Nurseries is Harrison grown—we sell no stock that is not raised on our own place.

You will need fruit trees for fall orders, but we want you to remember that we have **Ornamentals**, too—Maples, Elms, Ash, Linden, Plane, Blue Spruce, Juniper, Elder. We have a big stock of Privet, the great American hedge plant, and can make special prices for fall delivery.



Write or Wire for Special Prices on Stock in this List

APPLES—1 YEAR BUDDED

Amer. Golden Russett	200
Baldwin	100000
Ben Davis	3000
Caroline Red June	400
Chenango (Strawberry)	400
Dominie	300
Duchess	15000
Early Harvest	1500
Early Strawberry	250
Fallawater	600
Fall Pippin	500
Fameuse	1000
Golden Beauty	400
Golden Sweet	150
Gravenstein	5000
Grimes' Golden	20000
Hubbardston	1500
Hyslop	600
Jonathan	25000
King	2000
Malden Blush	1000
Mammoth Black Twig	60000
Martha	250
McIntosh Re.d.	15000
Missouri Pippin	150
Myrick	200
Nero	2000
Northern Spy	3600
North West. Greening.	1500
Opalescent	400
Paradise Winter Sweet	1500
Rambo	1200
Red Astrachan	5000
Rhode Island Greening.	4000
Rome Beauty	3000
Smith's Cider	500
Smokehouse	1500
Spitzenburg	1200
Starr	2000
Stark	5000
Stayman's Winesap.	90000
Summer Hagloe	1000
Sweet Bough	600
Transcendent	600
Wealthy	12000
Wm. Early Red	12000
Winesa	p. 10000
Winter Banana	2000
Wolf River	5000
Yellow Belleflower	250
Yellow Transparent	12000
York Imperial	8000

APPLES—2 YEAR BUDDED

A. G. Russett	100
Alexander	500
Baldwin	9000
Ben Davis	5000
Bismarck	100
Benoni	15
Belleflower	100
Chenango Strawberry	100
Coffelt Beauty	100
Cooper's Market	15
Carthouse	100
Duchess	150
Dominie	150
Ensee	100
Early Strawberry	100
Early Colton	100
Early Harvest	1200
Fallawater	500
Fourth of July	500
Golden Beauty	300
Gano	4000
Gravenstein	1000
Grimes' Golden	150
Hyslop	150
Jeferies	100
Jonathan	3000
King	700
Lawver	75
Lankford	50
Longfield	100
Limbertwig	100
Missouri Pippin	150
Martha	100
Myrick	100
Mann	100
Nero	1000
North West. Greening.	1000
Paradise Winter Sweet	400
Porter	100
Rome Beauty	100
Red Astrachan	3000
Rawles Janet	100
Rolfe	100
Rambo	300
Red June	100
Spitzenburg	200
Sweet Bough	300
Smith Cider	100
Scott's Winter	100
Salome	100
Springdale	100
Stark	500
Stayman's Winesap.	15000

APPLES—3 YEAR BUDDED

York Imperial	10000
APPLES—2 YEAR GRAFTS	

PEACH—1 YEAR BUDDED

Admiral Dewey	200
Alexander	250
Belle of Georgia	23000
Bilyeu's Late October	3000
Bray's Rare Ripe	250
Capt. Ede	1000
Carman	30000
Chair's Choice	9000
Champion	3500
Chinese Cling	250
Crawford's Early	4000
Crawford's Late	21000
Connett's So. Early	250
Crosby	1000
Edgmont Beauty	1000
Elberta	45000
Engles' Mammoth	600
Fitzgerald	900
Foster	2000
Ford's Late White	1100
Fox Seedling	2500
Francis	1500
Geary's Hold On	3000
Globe	750
Gold Drop	150
Greensboro	3750
Harrison Cling	300
Hiley	1300
Iron Mountain	1600
Jackson Cling	150
Kalamazoo	2000
Krummell's October	799
Late Elberta	250
Levy's Late	1000
Mamie Ross	700
Marshall	200
Matthew's Beauty	250

PEARS—1 YEAR BUDDED

Bartlett	6000
Dwarf Bartlett	1500
Keiffer	2300
PEARS—2 YEAR BUDDED	
Keiffer	4000
PEARS—3 YEAR BUDDED	
Keiffer	8000
Bartlett	3000
PEARS—3 YEAR DWARF	
Bartlett	1500
CHERRY—1 YEAR BUDDED	
Early Richmond	1000
CHERRY—3 YEAR BUDDED	
Early Richmond	3000

GRAPES

Concord, 3 yr. Ex. hvy.	5000
Concord, 2 yr.	20000
Moore's Early, 2 yr.	20000
Niagara, 2 yr.	2000

ASPARAGUS—1 YEAR

Donald's Elmira	5000
Giant Argenteuil	5000
Barr's Mammoth	5000
Conover's Colossal	5000
Palmetto	5000

Harrison's Nurseries
J.G. HARRISON & SONS
BERLIN

PROPRIETORS
MARYLAND

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